
INSTALLATION RESTORATION PROGRAM

FINAL

SITE CHARACTERIZATION REPORT
VOLUME III
(Appendix G)

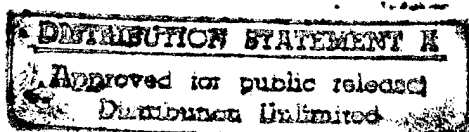
147TH FIGHTER INTERCEPTOR GROUP
TEXAS AIR NATIONAL GUARD
ELLINGTON FIELD
HOUSTON, TEXAS

MAY 1995



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HAZWRAP SUPPORT CONTRACTOR OFFICE
Oak Ridge, Tennessee 37831

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Site Characterization Report, Volume III (Appendix G)

A Site Characterization was performed at one site at the 147th Fighter Interceptor Group. The site was the Base Petroleum, Oils, and Lubricants Storage Area. All contamination identified at the site was below the Texas Natural Resource Conservation Commission action limits:

The report recommended that the risk assessment performed as part of the Site Investigation be up-dated with the additional information from this report. If the risk assessment show that no significant risks to human health exist then performed no further action for the site is recommended.

Volume III (Appendix G) of this report consist of the Laboratory Analytical Reports

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FINAL

**INSTALLATION RESTORATION PROGRAM
SITE CHARACTERIZATION REPORT**

**VOLUME III
APPENDIX G**

**147TH FIGHTER INTERCEPTOR GROUP
TEXAS AIR NATIONAL GUARD
ELLINGTON FIELD
HOUSTON, TEXAS**

**PREPARED BY
HALLIBURTON NUS CORPORATION
PROJECT NUMBER 1K94**

MAY 1995

Appendix G

Laboratory Analytical Reports

TABLE G-1

FINAL

ANALYTICAL RESULTS FOR SOIL SAMPLES
TPH AND BTEX
POL Storage Area
Ellington Field (ANGRC)

Sample ID	Soil Boring	Sample Depth	TPH (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethylbenzene (ug/kg)	Xylene (ug/kg)	Total BTEX (ug/kg)
02-SB15-A-A	SB-15	0-2	35	NA	NA	NA	NA	NA
02-SB15-B-A	SB-15	12-14	<27	NA	NA	NA	NA	NA
02-SB15-C-A	SB-15	20-22	49	NA	NA	NA	NA	NA
02-FD15-C-A	SB-15	20-22	<24	NA	NA	NA	NA	NA
02-SB16-A-A	SB-16	4-6	40	<5J	33J	32J	21J	91
02-SB16-B-A	SB-16	8-10	41	(a)	(a)	(a)	(a)	(a)
02-SB16-C-A	SB-16	20-22	37	<5	<5	<5	<5	<20
02-SB17-A-A	SB-17	2-4	54	<5	<5	<5	<5	<20
02-SB17-B-A	SB-17	8-10	42	<5	<5	<5	<5	<20
02-SB17-C-A	SB-17	22-24	38	<5	<5	<5	<5	<20
02-SB18-A-A	SB-18	0-2	50	<5	<5	<5	<5	<20
02-SB18-B-A	SB-18	10-12	38	(a)	(a)	(a)	(a)	(a)
02-SB18-C-A	SB-18	18-20	37	<5	<5	<5	<5	<20
02-SB19-A-A	SB-19	2-4	<27	(a)	(a)	(a)	(a)	(a)
02-SB19-B-A	SB-19	4-6	<27	<5	<5	<5	<5	<20
02-SB19-C-A	SB-19	20-22	<25	<5	<5	<5	<5	<20
02-SB20-A-A	SB-20	2-4	39	<5	<5	7.9J	<5	22.9
02-SB20-B-A	SB-20	8-10	<27	(a)	(a)	(a)	(a)	(a)
02-SB20-C-A	SB-20	20-22	36	<5	<5	<5	<5	<20
02-SB21-A-A	SB-21	2-4	<27	<5	<5J	8.8J	<5	23.8
02-SB21-B-A	SB-21	4-6	49	<5	<5	<5	<5	<20
02-FD21-B-A	SB-21	4-6	<28	<5	<5	<5	<5	<20
02-SB21-C-A	SB-21	20-22	49	<5	<5	<5	<5	<20
02-SB22-A-A	SB-22	4-6	<27	<5	<5	<5	<5	<20
02-SB22-B-A	SB-22	6-8	<28	<5	<5	<5	<5	<20
02-SB22-C-A	SB-22	22-24	38	<5	<5	<5	<5	<20
02-SB23-A-A	SB-23	0-2	<22	<5	<5	<5	<5	<20
02-SB23-B-A	SB-23	6-8	<28	<5	<5	16J	<5	31
02-SB23-C-A	SB-23	20-22	<24	<5	<5	<5	<5	<20
02-FD23-C-A	SB-23	20-22	<24	<5	<5	<5	<5	<20
02-SB24-A-A	SB-24	1-3	<29	<5	<5	<5	<5	<20
02-SB24-B-A	SB-24	11-13	<25	<5	<5	<5	<5	<20
02-SB24-C-A	SB-24	17-19	<25	<5	<5	<5	<5	<20
02-SB25-A-A	SB-25	1-3	<28	<5	<5	<5	<5	<20
02-SB25-B-A	SB-25	5-7	<28	<5	90J	700J	67J	862
02-SB25-C-A	SB-25	17-19	<24	<5	<5	<5	<5	<20

TABLE G-1

FINAL

**ANALYTICAL RESULTS FOR SOIL SAMPLES
TPH AND BTEX
POL Storage Area
Ellington Field (ANGRC)**

02-SB26-A-A	SB-26	0-2	43	<5	<5	<5	<5	<20
02-SB26-B-A	SB-26	6-8	<27	(a)	(a)	(a)	(a)	(a)
02-SB26-C-A	SB-26	18-20	<25	180J	190J	960J	57J	1387
02-FD26-C-A	SB-26	18-20	<25	<5J	<5J	11J	<5J	26
02-SB27-A-A	SB-27	0-2	<21	<5	<5	<5	<5	<20
02-SB27-B-A	SB-27	14-16	<26	3000	8000	2500	9900	23400
02-SB27-C-A	SB-27	22-24	<25	<5	<5	<5	<5	<20

02-SB28-A-A	SB-28	1-3	<26	<5	7.3J	<5	<5	22.3
02-SB28-B-A	SB-28	7-9	<28	<5	7.6J	<5	<5	22.6
02-SB28-C-A	SB-28	20-22	<24	<5	<5	<5	<5	<20

02-SB29-A-A	SB-29	1-3	<28	12J	<5	25J	<5	<47
02-SB29-B-A	SB-29	5-7	<26	<5	<5	<5	<5	<20
02-SB29-C-A	SB-29	17-19	<25	<5	<5	<5	<5	<20

02-SB30-A-A	SB-30	0-2	<27	<5	<5	<5	<5	<20
02-SB30-B-A	SB-30	8-10	<24	<5	<5	<5	<5	<20
02-SB30-C-A	SB-30	16-18	<25	<5	<5	<5	<5	<20

02-SB31-A-A	SB-31	0-2	<26	<5	<5	<5	<5	<20
02-SB31-B-A	SB-31	10-12	<25	24J	85J	250J	150J	509
02-SB31-C-A	SB-31	16-18	<25	<5	<5	<5	<5	<20
02-FD31-C-A	SB-31	16-18	<25	<5	<5	<5	<5	<20

02-SB32-A-A	SB-32	0-2	<26	<5	<5	<5	<5	<20
02-SB32-B-A	SB-32	8-10	<27	<5	<5	<5	<5	<20
02-SB32-C-A	SB-32	16-18	<26	<5	<5	<5	<5	<20
02-FD32-C-A	SB-32	16-18	<25	<5	<5	<5	<5	<20
02-SB33-A-A	SB-33	0-2	<25	<5	<5	<5	<5	<20
02-SB33-B-A	SB-33	12-14	<26	<5	<5	<5	<5	<20
02-SB33-C-A	SB-33	16-18	<24	<5	<5	<5	<5	<20

02-SB34-A-A	SB-34	0-2	38J	<5	<5	<5	<5	<20
02-SB34-B-A	SB-34	14-16	<24J	<5	<5	<5	<5	<20
02-SB34-C-A	SB-34	16-18	<25J	<5	<5	<5	<5	<20
02-FD34-C-A	SB-34	16-18	<26J	<5	<5	<5	<5	<20

02-SB35-A-A	SB-35	0-2	<24J	<5	<5	<5	<5	<20
02-SB35-B-A	SB-35	16-18	25J	<5	<5	<5	<5	<20

02-MW11-A-A	MW-11	0-2	24	<5	<5	<5	<5	<20
02-MW11-B-A	MW-11	14-16	<25	<5	<5	<5	<5	<20
02-MW11-C-A	MW-11	18-20	<24	<5	<5	<5	<5	<20

(a) - refer to Table G-2 for TCL volatile results
J = lab qualifier indicating estimated value
If field is left blank, the qualifier is A - Accept all data

TABLE G-2

FINAL

ANALYTICAL RESULTS FOR SOIL SAMPLES
TCL VOLATILES
POL Storage Area
Ellington Field (ANGRC)

Parameter	Sample ID	02SB16BA	02SB18BA	02SB19AA	02SB20BA	02B26BA
	Depth	8-10	10-12	8-10	4-6	6-8
Chloromethane	ug/kg	<14	<13	<14	<13	<13
Bromomethane	ug/kg	<14	<13	<14	<13	<13
Vinyl Chloride	ug/kg	<14	<13	<14	<13	<13
Chloroethane	ug/kg	<14	<13	<14	<13	<13
Methylene chloride	ug/kg	<14	<13	<14	<13	<13
Acetone	ug/kg	<270	<13J	<14J	<13J	<540
Carbon disulfide	ug/kg	<14	<13	<14	<13	<13
1,1-dichloroethene	ug/kg	<14	<13	<14	<13	<13
1,1-dichloroethane	ug/kg	<14	<13	<14	<13	<13
1,2-dichloroethene (total)	ug/kg	<14	<13	<14	<13	<13
Chloroform	ug/kg	<14	<13	<14	<13	<13
1,2-dichloroethane	ug/kg	<14	<13	<14	<13	<13
2-butanone	ug/kg	<14	<13	<14	<13	47J
1,1,1-trichloroethane	ug/kg	<14	<13	<14	<13	<13
Carbon Tetrachloride	ug/kg	<14	<13	<14	<13	<13
Bromodichloromethane	ug/kg	<14	<13	<14	<13	<13
1,2-dichloropropane	ug/kg	<14	<13	<14	<13	<13
cis-1,3-dichloropropene	ug/kg	<14	<13	<14	<13	<13
Trichloroethene	ug/kg	<14	<13	<14	<13	<13
Dibromochloromethane	ug/kg	<14	<13	<14	<13	<13
1,1,2-trichloroethane	ug/kg	<14	<13	<14	<13	<13
Benzene	ug/kg	<14	<13	<14	<13	<13
trans-1,3-dichloropropene	ug/kg	<14	<13	<14	<13	<13
Bromoform	ug/kg	<14	<13	<14	<13	<13
4-methyl-2-pentanone	ug/kg	<14	<13	<14	<13	<13
2-hexanone	ug/kg	<14	<13	<14	<13	<13
Tetrachloroethene	ug/kg	<14	<13	<14	<13	<13
1,1,2,2-Tetrachloroethane	ug/kg	<14	<13	<14	<13	<13
Toluene	ug/kg	<14	<13	<14	<13	2J
Chlorobenzene	ug/kg	<14	<13	<14	<13	<13
Ethylbenzene	ug/kg	<14	<13	<14	<13	170
Styrene	ug/kg	<14	<13	<14	<13	<13
Xylene (total)	ug/kg	<14	<13	<14	<13	43
TOTAL BTEX	ug/kg	<56	<52	<56	<52	228

J = lab qualifier indicating estimated value

If field is left blank, lab qualifier is A - Accept all data

TABLE G-3

FINAL

**ANALYTICAL RESULTS FOR SOIL SAMPLES
TCL SEMIVOLATILES
POL Storage Area
Ellington Field (ANGRC)**

Parameter	Sample ID	02SB16BA	02SB18BA	02SB19AA	02SB20BA	02B26BA
	Depth	8-10	10-12	2-4	4-6	6-8
Phenol	ug/kg	<450	<420	<450	<440J	<450
bis-(2-Chloroethyl)Ether	ug/kg	<450	<420	<450	<440	<450
2-Chlorophenol	ug/kg	<450	<420	<450	<440J	<450
1,3-Dichlorobenzene	ug/kg	<450	<420	<450	<440	<450
1,4-Dichlorobenzene	ug/kg	<450	<420	<450	<440J	<450
1,2-Dichlorobenzene	ug/kg	<450	<420	<450	<440	<450
2-Methylphenol	ug/kg	<450	<420	<450	<440	<450
2,2'-oxybis(1-Chloropropane)	ug/kg	<450	<420	<450	<440	<450
4-Methylphenol	ug/kg	<450	<420	<450	<440	<450
N-Nitro-Di-n-Proylamine	ug/kg	<450	<420	<450	<440J	<450
Hexachloroethane	ug/kg	<450	<420	<450	<440	<450
Nitrobenzene	ug/kg	<450	<420	<450	<440	<450
Iosporone	ug/kg	<450	<420	<450	<440	<450
2-Nitrophenol	ug/kg	<450	<420	<450	<440	<450
2,4-Dimethylphenol	ug/kg	<450	<420	<450	<440	<450
bis(2-Chloroethoxy)Methane	ug/kg	<450	<420	<450	<440	<450
2,4-Dichlorophenol	ug/kg	<450	<420	<450	<440	<450
1,2,4-Trichlorobenzene	ug/kg	<450	<420	<450	<440J	<450
Napthalene	ug/kg	<450	<420	<450	<440	<450
4-Chloroaniline	ug/kg	<450	<420	<450	<440	<450
Hexachlorobutadiene	ug/kg	<450	<420	<450	<440	<450
4-Chloro-3-Methylphenol	ug/kg	<450	<420	<450	<440J	<450
2-Methylnapthalene	ug/kg	<450	<420	<450	<440	<450
Hexachlorocyclopentadiene	ug/kg	<450	<420	<450	<440	<450
2,4,6-Trichlorophenol	ug/kg	<450	<420	<450	<440	<450
2,4,5-Trichlorophenol	ug/kg	<2200	<2000	<2200	<2100	<2200
2-Chloronapthalene	ug/kg	<450	<420	<450	<440	<450
2-Nitroaniline	ug/kg	<2200	<2000	<2200	<2100	<2200
Dimethyl Phthalate	ug/kg	<450	<420	<450	<440	<450

Acenaphthylene	ug/kg	<450	<420	<450	<440	<450
2,6-Dinitrotoluene	ug/kg	<450	<420	<450	<440	<450
3-Nitroaniline	ug/kg	<2200	<2000	<2200	<2100	<2200
Acenaphthene	ug/kg	<450	<420	<450	<440J	<450
2,4-Dinitrophenol	ug/kg	<2200	<2000	<2200	<2100	<2200
4-Nitrophenol	ug/kg	<2200	<2000	<2200	<2100J	<2200
Dibenzofuran	ug/kg	<450	<420	<450	<440	<450
2,4-Dinitrotoluene	ug/kg	<450	<420	<450	<440J	<450
Diethylphthalate	ug/kg	<450	<420	<450	<440	<450
4-Chlorophenyl-phenylether	ug/kg	<450	<420	<450	<440	<450
Flourene	ug/kg	<450	<420	<450	<440	<450
4-Nitroaniline	ug/kg	<2200	<2000	<2200	<2100	<2200
4,6-Dinitro-2-Methylphenol	ug/kg	<2200	<2000	<2200	<2100	<2200
N-Nitrosodiphenylamine	ug/kg	<450	<420	<450	<440	<450
4-Bromophenyl-phenylether	ug/kg	<450	<420	<450	<440	<450
Hexachlorobenzene	ug/kg	<450	<420	<450	<440	<450
Pentachlorophenol	ug/kg	<2200	<2000	<2200	<2100J	<2200

TABLE G-3

**ANALYTICAL RESULTS FOR SOIL SAMPLES
TCL SEMIVOLATILES
POL Storage Area
Ellington Field (ANGRC)**

Phenanthrene	ug/kg	<450	<420	<450	<440	<450
Anthracene	ug/kg	<450	<420	<450	<440	<450
Carbazole	ug/kg	<450	<420	<450	<440	<450
Di-n-Butylphthalate	ug/kg	<450	<420	<450	<440	<450
Fluoranthene	ug/kg	<450	<420	<450	<440	<450
Pyrene	ug/kg	<450	<420	<450	<440J	<450
Butylbenzylphthalate	ug/kg	<450	<420	<450	<440	<450
3,3'-Dichlorobenzadine	ug/kg	<900	<840	<900	<880	<900
Benzo(a)Anthracene	ug/kg	<450	<420	<450	<440	<450
Chrysene	ug/kg	<450	<420	<450	<440	<450
bis(2-Ethylhexyl)Phthalate	ug/kg	<450	<420	<450	<440	<450

Di-n-Octyl Phthalate	ug/kg	<450	<420	<450	<440	<450
Benzo(b) Fluoranthene	ug/kg	<450	<420	<450	<440	<450
Benzo(k)Fluoranthene	ug/kg	<450	<420	<450	<440	<450
Benzo(a)pyrene	ug/kg	<450	<420	<450	<440	<450
Indeno(1,2,3-cd)Pyrene	ug/kg	<450	<420	<450	<440	<450
Dibenz(a,h)Anthracene	ug/kg	<450	<420	<450	<440	<450
Benzo(g,h,i)Perylene	ug/kg	<450	<420	<450	<440	<450

J = lab qualifier indicating estimated value

If field is left blank, lab qualifier is A - Accept all data

TABLE G-4
ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
TPH, TCL VOLATILES, TDS
POL Storage Area
Ellington Field (ANGRC)

Parameter	Sample ID Source	02MW07AA MW-07	02MW08AA MW-08	02MW09AA MW-09	02MW10AA MW-10	02FD10AA MW-10 Duplicate	02MW11AA MW-11	02MW12AA MW-12	02MW13AA MW-13	02MW14AA MW-14	02MW15AA MW-15
Total Petroleum Hydrocarbons	mg/l	0.2J	0.4J	<0.2J	<0.2J	<0.2J	0.2J	<0.2J	<0.2J	0.2J	<0.2J
Total Dissolved Solids	mg/l	610	NA	NA	680	NA	600	NA	NA	NA	NA
VOLATILES											
Chloromethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Bromomethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Vinyl Chloride	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Chloroethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Methylene chloride	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Acetone	ug/l	<10	NA	NA	<10	<10	6J	NA	NA	NA	NA
Carbon disulfide	ug/l	<10	NA	NA	<10	<10	38	NA	NA	NA	NA
1,1-dichloroethene	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
1,1-dichloroethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
1,2-dichloroethene (total)	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Chloroform	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
1,2-dichloroethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
2-butanone	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
1,1,1-trichloroethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Carbon Tetrachloride	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Bromodichloromethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
1,2-dichloropropane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
cis-1,3-dichloropropene	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Trichloroethene	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Dibromochloromethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
1,1,2-trichloroethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Benzene	ug/l	<10	<1	<1	<10	<10	<10	<1	<1	<1	<1
trans-1,3-dichloropropene	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Bromoform	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
4-methyl-2-pentanone	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
2-hexanone	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Tetrachloroethene	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
1,1,2,2-tetrachloroethane	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Toluene	ug/l	<10	<1	<1	<10	<10	<10	<1	<1	<1	<1
Chlorobenzene	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Ethylbenzene	ug/l	<10	<1	<1	<10	<10	<10	<1	<1	<1	<1
Styrene	ug/l	<10	NA	NA	<10	<10	<10	NA	NA	NA	NA
Xylene (total)	ug/l	<10	<1	<1	<10	<10	<10	<1	<1	<1	<1

TABLE G-5

FINAL

**ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
TCL SEMIVOLATILES
POL Storage Area
Ellington Field (ANGRC)**

Parameter	Sample ID	02MW07AA	02MW10AA	02FD10AA	02MW11AA
	Source	MW-07	MW-10	MW-10 Duplicate	MW-11

SEMI-VOLATILES					
Phenol	ug/l	<10	<10	<10	<10
bis-(2-Chloroethyl)Ether	ug/l	<10	<10	<10	<10
2-Chlorophenol	ug/l	<10	<10	<10	<10
1,3-Dichlorobenzene	ug/l	<10	<10	<10	<10
1,4-Dichlorobenzene	ug/l	<10	<10	<10	<10
1,2-Dichlorobenzene	ug/l	<10	<10	<10	<10
2-Methylphenol	ug/l	<10	<10	<10	<10
2,2'-oxybis(1-Chloropropane)	ug/l	<10	<10	<10	<10
4-Methylphenol	ug/l	<10	<10	<10	<10
N-Nitro-Di-n-Propylamine	ug/l	<10	<10	<10	<10
Hexachloroethane	ug/l	<10	<10	<10	<10
Nitrobenzene	ug/l	<10	<10	<10	<10
Isochlorone	ug/l	<10	<10	<10	<10
2-Nitrophenol	ug/l	<10	<10	<10	<10
2,4-Dimethylphenol	ug/l	<10	<10	<10	<10
bis(2-Chloroethoxy)Methane	ug/l	<10	<10	<10	<10
2,4-Dichlorophenol	ug/l	<10	<10	<10	<10
1,2,4-Trichlorobenzene	ug/l	<10	<10	<10	<10
Napthalene	ug/l	<10	<10	<10	<10
4-Chloroaniline	ug/l	<10	<10	<10	<10
Hexachlorobutadiene	ug/l	<10	<10	<10	<10
4-Chloro-3-Methylphenol	ug/l	<10	<10	<10	<10
2-Methylnapthalene	ug/l	<10	<10	<10	<10
Hexachlorocyclopentadiene	ug/l	<10	<10	<10	<10
2,4,6-Trichlorophenol	ug/l	<10	<10	<10	<10
2,4,5-Trichlorophenol	ug/l	<25	<25	<25	<25
2-Chloronapthalene	ug/l	<10	<10	<10	<10
2-Nitroaniline	ug/l	<25	<25	<25	<25
Dimethyl Phthalate	ug/l	<10	<10	<10	<10
Acenaphthylene	ug/l	<10	<10	<10	<10
2,6-Dinitrotoluene	ug/l	<10	<10	<10	<10
3-Nitroaniline	ug/l	<25	<25	<25	<25
Acenaphthene	ug/l	<10	<10	<10	<10
2,4-Dinitrophenol	ug/l	<25	<25	<25	<25
4-Nitrophenol	ug/l	<25	<25	<25	<25
Dibenzofuran	ug/l	<10	<10	<10	<10
2,4-Dinitrotoluene	ug/l	<10	<10	<10	<10
Diethylphthalate	ug/l	<10	<10	<10	<10
4-Chlorophenyl-phenylether	ug/l	<10	<10	<10	<10
Flourene	ug/l	<10	<10	<10	<10

TABLE G-5 (cont'd)

FINAL

**ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
TCL SEMIVOLATILES
POL Storage Area
Ellington Field (ANGRC)**

Parameter	Sample ID	02MW07AA	02MW10AA	02FD10AA	02MW11AA
	Source	MW-07	MW-10	MW-10 Duplicate	MW-11
4-Nitroaniline	ug/l	<25	<25	<25	<25
4,6-Dinitro-2-Methylphenol	ug/l	<25	<25	<25	<25
N-Nitrosodiphenylamine	ug/l	<10	<10	<10	<10
4-Bromophenyl-phenylether	ug/l	<10	<10	<10	<10
Hexachlorobenzene	ug/l	<10	<10	<10	<10
Pentachlorophenol	ug/l	<25	<25	<25	<25
Phenanthrene	ug/l	<10	<10	<10	<10
Anthracene	ug/l	<10	<10	<10	<10
Carbazole	ug/l	<10	<10	<10	<10
Di-n-Butylphthalate	ug/l	<10	<10	<10	<10
Fluoranthene	ug/l	<10	<10	<10	<10
Pyrene	ug/l	<10	<10	<10	<10
Butylbenzylphthalate	ug/l	<10	<10	<10	<10
3,3'-Dichlorobenzadine	ug/l	<10	<10	<10	<10
Benzo(a)Anthracene	ug/l	<10	<10	<10	<10
Chrysene	ug/l	<10	<10	<10	<10
bis(2-Ethylhexyl)Phthalate	ug/l	<10	3J	2J	4J
Di-n-Octyl Phthalate	ug/l	<10	<10	<10	<10
Benzo(b)Fluoranthene	ug/l	<10	<10	<10	<10
Benzo(k)Fluoranthene	ug/l	<10	<10	<10	<10
Benzo(a)pyrene	ug/l	<10	<10	<10	<10
Indeno(1,2,3-cd)Pyrene	ug/l	<10	<10	<10	<10
Dibenz(a,h)Anthracene	ug/l	<10	<10	<10	<10
Benzo(g,h,i)Perylene	ug/l	<10	<10	<10	<10

NA - not applicable

J = lab qualifier indicating estimated value

If field is left blank, lab qualifier is A - Accept all data

TABLE G-6

ANALYTICAL RESULTS FOR TRIP BLANKS
POL Storage Area
Ellington Field

Parameter	Sample ID	02TB01AA	02TB02AA	02TB03AA	02TB04AA	02TB05AA	02TB06AA	02TB07AA	02TB08AA	02TB09AA	02TB10AA	02TB11AA	02TB12AA
Chloromethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Bromomethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Vinyl Chloride	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Chloroethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Methylene chloride	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Acetone	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Carbon disulfide	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
1,1-dichloroethene	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
1,1-dichloroethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
1,2-dichloroethene	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Chloroform	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
1,2-dichloroethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
2-butanone	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
1,1,1-trichloroethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Carbon Tetrachloride	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Bromodichloromethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
1,2-dichloropropane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
cis-1,3-dichloropropene	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Trichloroethane	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Benzene	ug/l	<10	<10	<10	<10	<5	<10	<5	<5	<5	<5	<5	<10
trans-1,3-dichloropropene	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Bromoform	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
4-methyl-2-pentanone	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
2-hexanone	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Tetrachloroethene	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
1,1,2,2-tetrachloroethane (total)	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Toluene	ug/l	<10	<10	<10	<10	<5	<10	<5	<5	<5	<5	<5	<10
Chlorobenzene	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Ethylbenzene	ug/l	<10	<10	<10	<10	<5	<10	<5	<5	<5	<5	<5	<10
Styrene	ug/l	<10	<10	<10	<10	NA	<10	NA	NA	NA	NA	NA	<10
Xylene (total)	ug/l	<10	<10	<10	<10	<5	<10	<5	<5	<5	<5	<5	<10

If field is left blank, the qualifier is A - Accept all data

NA - Not Applicable

TABLE G-7
ANALYTICAL RESULTS FOR RINSATE BLANKS
POL Storage Area
Ellington Field (ANGRC)

Parameter	Sample ID	02RB01AA	02RB02AA	02RB03AA	02RB04AA	02RB05AA	02RB06AA	02RB07AA	02RB08AA
Total Petroleum Hydrocarbons VOLATILES	mg/kg	<20	<20	<20	<20	<20	<20	<20J	<0.2J
Chloromethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Bromomethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Vinyl Chloride	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Chloroethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Methylene chloride	ug/kg	6	6	4	NA	6	NA	NA	2
Acetone	ug/kg	<10	<10	<10	NA	31	NA	NA	<10
Carbon disulfide	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,1-dichloroethene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,1-dichloroethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,2-dichloroethene (total)	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Chloroform	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,2-dichloroethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
2-butanone	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,1,1-trichloroethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Carbon Tetrachloride	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Bromodichloromethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,2-dichloropropane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
cis-1,3-dichloropropene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Trichloroethene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Dibromochloromethene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,1,2-trichloroethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Benzene	ug/kg	<10	<10	<10	<5	<10	<5	<5	<10
trans-1,3-dichloropropene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Bromoform	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
4-methyl-2-pentanone	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
2-hexanone	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Tetrachloroethene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
1,1,2,2-tetrachloroethane	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Toluene	ug/kg	<10	<10	<10	<5	<10	<5	<5	<10
Chlorobenzene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Ethylbenzene	ug/kg	<10	<5	<10	<5	2J	<5	<5	<10
Styrene	ug/kg	<10	<10	<10	NA	<10	NA	NA	<10
Xylene (total)	ug/kg	<10	<10	<10	<5	<10	<5	<5	<10
SEMI-VOLATILES									
Phenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10

G7-1

TABLE G-7 (cont'd)

ANALYTICAL RESULTS FOR RINSATE BLANKS
POL Storage Area
Ellington Field (ANGRC)

Parameter	Sample ID	02RB01AA	02RB02AA	02RB03AA	02RB04AA	02RB05AA	02RB06AA	02RB07AA	02RB08AA
bis-(2-Chloroethyl)Ether	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2-Chlorophenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
1,3-Dichlorobenzene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
1,4-Dichlorobenzene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
1,2-Dichlorobenzene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2-Methylphenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2,2'-oxybis(1-Chloropropane)	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
4-Methylphenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
N-Nitro-Di-n-Propylamine	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Hexachloroethane	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Nitrobenzene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Isochlorophene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2-Nitrophenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2,4-Dimethylphenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
bis(2-Chloroethoxy)Methane	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
1,2,4-Trichlorobenzene	ug/kg	29	<330	<330	NA	<330	NA	NA	<10
Naphthalene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
4-Chloroaniline	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Hexachlorobutadiene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
4-Chloro-3-Methylphenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2-Methylnaphthalene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Hexachlorocyclopentadiene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2,4,6-Trichlorophenol	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2,4,5-Trichlorophenol	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<25
2-Chloronaphthalene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2-Nitroaniline	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<25
Dimethyl Phthalate	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Acenaphthylene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2,6-Dinitrotoluene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
3-Nitroaniline	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<25
Acenaphthene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2,4-Dinitrophenol	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<25
4-Nitrophenol	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<25
Dibenzofuran	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
2,4-Dinitrotoluene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Diethylphthalate	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
4-Chlorophenyl-phenylether	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Flourene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
4-Nitroaniline	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<25
4,6-Dinitro-2-Methylphenol	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<25

TABLE G-7 (cont'd)

ANALYTICAL RESULTS FOR RINSATE BLANKS

POL Storage Area

Ellington Field (ANGRC)

Parameter	Sample ID	02RB01AA	02RB02AA	02RB03AA	02RB04AA	02RB05AA	02RB06AA	02RB07AA	02RB08AA
N-Nitrosodiphenylamine	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
4-Bromophenyl-phenylether	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Hexachlorobenzene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Pentachlorophenol	ug/kg	<1600	<1600	<1600	NA	<1600	NA	NA	<10
Phenanthrene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Anthracene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Carbazole	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Di-n-Butylphthalate	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Fluoranthene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Pyrene	ug/kg	81	<330	<330	NA	<330	NA	NA	<10
Butylbenzylphthalate	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
3,3'-Dichlorobenzadine	ug/kg	<660	<660	<660	NA	<660	NA	NA	<10
Benzo(a)Anthracene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Chrysene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
bis(2-Ethylhexyl)Phthalate	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Di-n-Octyl Phthalate	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Benzo(b)Fluoranthene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Benzo(k)Fluoranthene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Benzo(a)pyrene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Indeno(1,2,3-cd)Pyrene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Dibenzo(a,h)Anthracene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10
Benzo(g,h,i)Perylene	ug/kg	<330	<330	<330	NA	<330	NA	NA	<10

NA - Not Applicable

J = lab qualifier indicating estimated value

If field is blank, lab qualifier is A - Accept all data

TABLE G-8

FINAL

ANALYTICAL RESULTS FOR FIELD BLANKS
POL Storage Area
Ellington Field (ANGRC)

Parameter	Sample ID	02FB01AA	02FB02AA
Total Petroleum Hydrocarbons	mg/kg	<20	<20
VOLATILES			
Chloromethane	ug/kg	<10	<10
Bromomethane	ug/kg	<10	<10
Vinyl Chloride	ug/kg	<10	<10
Chlorethane	ug/kg	<10	<10
Methylene chloride	ug/kg	7	<10
Acetone	ug/kg	<10	<10
Carbon disulfide	ug/kg	<10	<10
1,1-dichloroethene	ug/kg	<10	<10
1,1-dichloroethane	ug/kg	<10	<10
1,2-dichloroethene	ug/kg	<10	<10
Chloroform	ug/kg	<10	<10
1,2-dichloroethane	ug/kg	<10	<10
2-butanone	ug/kg	<10	<10
1,1,1-trichlorethane	ug/kg	<10	<10
Carbon Tetrachloride	ug/kg	<10	<10
Bromodichloromethane	ug/kg	<10	<10
1,2-dichloropropane	ug/kg	<10	<10
cis-1,3-dichloropropene	ug/kg	<10	<10
Trichloroethene	ug/kg	<10	<10
Dibromochloromethane	ug/kg	<10	<10
1,1,2-trichloroethane	ug/kg	<10	<10
Benzene	ug/kg	<10	<10
trans-1,3-dichloropropene	ug/kg	<10	<10
Bromoform	ug/kg	<10	<10
4-methyl-2-pentanone	ug/kg	<10	<10
2-hexanone	ug/kg	<10	<10
Tetrachloroethene	ug/kg	<10	<10
1,1,2,2-tetrachloroethane	ug/kg	<10	<10
Toluene	ug/kg	<10	<10
Chlorobenzene	ug/kg	<10	<10
Ethylbenzene	ug/kg	<10	<10
Sytrene	ug/kg	<10	<10
Xylene	ug/kg	<10	<10
SEMI-VOLATILES			
Phenol	ug/kg	<330	<330
bis-(2-Chloroethyl)Ether	ug/kg	<330	<330
2-Chlorophenol	ug/kg	<330	<330
1,3-Dichlorobenzene	ug/kg	<330	<330
1,4-Dichlorobenzene	ug/kg	<330	<330
1,2-Dichlorobenzene	ug/kg	<330	<330
2-Methylphenol	ug/kg	<330	<330

TABLE G-8 (cont'd)

FINAL

ANALYTICAL RESULTS FOR FIELD BLANKS
POL Storage Area
Ellington Field (ANGRC)

Parameter	Sample ID	02FB01AA	02FB02AA
2,2'-oxybis(1-Chloropropane)	ug/kg	<330	<330
4-Methylphenol	ug/kg	<330	<330
N-Nitro-Di-n-Propylamine	ug/kg	<330	<330
Hexachloroethane	ug/kg	<330	<330
Nitrobenzene	ug/kg	<330	<330
Isophorone	ug/kg	<330	<330
2-Nitrophenol	ug/kg	<330	<330
2,4-Dimethylphenol	ug/kg	<330	<330
bis(2-Chloroethoxy)Methane	ug/kg	<330	<330
2,4-Dichlorophenol	ug/kg	<330	<330
1,2,4-Trichlorobenzene	ug/kg	<330	<330
Napthalene	ug/kg	<330	<330
4-Chloroaniline	ug/kg	<330	<330
Hexachlorobutadiene	ug/kg	<330	<330
4-Chloro-3-Methylphenol	ug/kg	<330	<330
2-Methylnapthalene	ug/kg	<330	<330
Hexachlorocyclopentadiene	ug/kg	<330	<330
2,4,6-Trichlorophenol	ug/kg	<330	<330
2,4,5-Trichlorophenol	ug/kg	<1600	<1600
2-Chloronapthalene	ug/kg	<330	<330
2-Nitroaniline	ug/kg	<1600	<1600
Dimethyl Phthalate	ug/kg	<330	<330
Acenaphthylene	ug/kg	<330	<330
2,6-Dinitrotoluene	ug/kg	<330	<330
3-Nitroaniline	ug/kg	<1600	<1600
Acenaphthene	ug/kg	<330	<330
2,4-Dinitrophenol	ug/kg	<1600	<1600
4-Nitrophenol	ug/kg	<1600	<1600
Dibenzofuran	ug/kg	<330	<330
2,4-Dinitrotoluene	ug/kg	<330	<330
Diethylphthalate	ug/kg	<330	<330
4-Chlorophenyl-phenylether	ug/kg	<330	<330
Flourene	ug/kg	<330	<330
4-Nitroaniline	ug/kg	<1600	<1600
4,6-Dinitro-2-Methylphenol	ug/kg	<1600	<1600
N-Nitrosodiphenylamine	ug/kg	<330	<330
4-Bromophenyl-phenylether	ug/kg	<330	<330
Hexachlorobenzene	ug/kg	<330	<330
Pentachlorophenol	ug/kg	<1600	<1600
Phenanthrene	ug/kg	<330	<330
Anthracene	ug/kg	<330	<330
Carbazole	ug/kg	<330	<330
Di-n-Butylphthalate	ug/kg	<330	<330

ANALYTICAL RESULTS FOR FIELD BLANKS
POL Storage Area
Ellington Field (ANGRC)

Parameter	Sample ID	02FB01AA	02FB02AA
Fluoranthene	ug/kg	<330	<330
Pyrene	ug/kg	<330	<330
Butylbenzylphthalate	ug/kg	<330	<330
3,3-Dichlorobenzadine	ug/kg	<330	<330
Benzo(a)Anthracene	ug/kg	<330	<330
Chrysene	ug/kg	<330	<330
bis(2-Ethylhexyl)Phthalate	ug/kg	<330	<330
Di-n-Octyl Phthalate	ug/kg	<330	<330
Benzo(b)Fluoranthene	ug/kg	<330	<330
Benzo(k)Fluoranthene	ug/kg	<330	<330
Indeno(1,2,3-cd)Pyrene	ug/kg	<330	<330
Dibenzo(a,h)Anthracene	ug/kg	<330	<330
Benzo(g,h,i)Perylene	ug/kg	<330	<330

If field is left blank, the qualifier is A - Accept all data

**BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
TPH DATA PACKAGE
ELL1, PKG1**

**PACE, INCORPORATED
HOUSTON ANALYTICAL LABORATORY
SEPTEMBER 2, 1993**

CASE COMMENTS
BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
ELL1, PKG1
MATRIX: SOIL

1. This data package covers water samples received from August 5 to August 11. Refer to the enclosed list of samples and corresponding client identifications.
2. The samples were analyzed according to the EPA method 418.1 and reported on a dry weight basis.
3. The data was reported via the PACE, INC. LIMS system, which includes all the QA/QC data requirements for Level C HAZWRAP protocols.

ELLINGTON AFB TRACKING CHART

CASE I.D.: ELL1

SDG: PKG1

MATRIX: SOIL

PACE NUMBER	CLIENT I.D.	DATE SXD	DATE RCVD	PERCENT MOISTURE	ANALYSES REQUIRED
H245825	02-SB21-A-A	8/5	8/5	26	BTEX, TPH
H245826	02-SB21-A-A MS			26	
H245827	02-SB21-A-A MSD			27	
H245828	02-SB21-B-A			28	
H245829	02-FD21-B-A			28	
H245830	02-SB21-C-A			19	
H245831	02-SB16-A-A			25	
H245832	02-SB16-C-A			19	
H245833	02-SB20-A-A			24	
H245834	02-SB20-C-A			18	
H246033	02-SB18-A-A	8/6	8/6	20	
H246034	02-SB18-C-A			19	
H246035	02-SB17-A-A			26	
H246036	02-SB17-B-A			28	
H246037	02-SB17-C-A			20	
H246699	02-SB19-B-A	8/11	8/11	26	
H246700	02-SB19-C-A			21	
H246701	02-SB23-A-A			6.3	
H246702	02-SB23-B-A			28	
H246703	02-SB23-C-A			17	
H246704	02-FD23-C-A			15	
H246705	02-SB22-A-A			27	
H246706	02-SB22-B-A			28	
H246707	02-SB22-C-A			20	

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB21-A-A
LSG SAMPLE NO: H0245825
P.O. NO.: 1K948C

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNIT
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	< 27	mg/kg
3	I800	CLP - percent moisture	26	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.
Case: ELL1; SDG: PKG1 consists of PACE sample numbers:
H245825 - H245834; H246033 - H246037; H246699 - H246707
The initial calibration verification (ICV) for TPH is as follows:
Date/Time run: 8/17/93 1607; Percent Recovery = 104%.
The continuing calibrations (CCV) for TPH are as follows:
Date/Time run Percent Recovery
8/17/93 1631 114%
8/18/93 0951 117%
8/18/93 0958 117%

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB21-A-A MS
LSG SAMPLE NO: H0245826
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	500	mg/kg
3	I800	CLP - percent moisture	26	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: % Recovery Petroleum Hydrocarbons = 112.7 % .
Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-SB21-A-A MSD
LSG SAMPLE NO: H0245827
P.O. NO.: 1K948C

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

LN	TEST CODE	DETERMINATION	RESULT	UNITS
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	480	mg/kg
3	I800	CLP - percent moisture	27	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: % Moisture Relative Percent Difference = 3.8 .
Petroleum Hydrocarbons recovery = 106.9 %; RPD = 5.54 .
Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-SB21-B-A
LSG SAMPLE NO: H0245828
P.O. NO.: 1K94BC

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

LN	TEST		DETERMINATION	RESULT	UNITS
	CODE				
1	G107S	BTEX Package			
		Level C BTEX data package		Done	
2	I685S	Petroleum Hydrocarbons		49	mg/kg
3	I800	CLP - percent moisture		28	%
4	DPACK	CLP Data Package Deliverable		Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-FD21-B-A
LSG SAMPLE NO: H0245829
P.O. NO.: 1K948C

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package		
		Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	< 28	mg/kg
3	I800	CLP - percent moisture	28	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB21-C-A
LSG SAMPLE NO: H0245830
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package		
		Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	49	mg/kg
3	I800	CLP - percent moisture	19	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB16-A-A
LSG SAMPLE NO: H0245831
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package		
		Level C BTEX data package	Done	
2	1685S	Petroleum Hydrocarbons	40	mg/kg
3	1800	CLP - percent moisture	25	% —
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB16-C-A
LSG SAMPLE NO: H0245832
P.O. NO.: 1K948C

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package		
		Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	37	mg/kg
3	I800	CLP - percent moisture	19	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-SB20-A-A
LSG SAMPLE NO: H0245833
P.O. NO.: 1K94BC

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package	Done	
		Level C BTEX data package	39	mg/kg
2	I685S	Petroleum Hydrocarbons	24	%
3	I800	CLP - percent moisture	Done	
4	DPACK	CLP Data Package Deliverable		

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-SB20-C-A
LSG SAMPLE NO: H0245834
P.O. NO.: 1K94BC

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

<u>LN</u>	<u>TEST</u> <u>CODE</u>	<u>DETERMINATION</u>	<u>RESULT</u>	<u>UNITS</u>
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	36	mg/kg
3	I800	CLP - percent moisture	18	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB18-A-A
LSG SAMPLE NO: H0246033
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	50	mg/kg
3	I800	CLP - percent moisture	20	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB18-C-A
LSG SAMPLE NO: H0246034
P.O. NO.: 1K948C

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	37	mg/kg
3	I800	CLP - percent moisture	19	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB17-A-A
LSG SAMPLE NO: H0246035
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	54	mg/kg
3	I800	CLP - percent moisture	26	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

September 02, 1993
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB17-B-A
LSG SAMPLE NO: H0246036
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	42	mg/kg
3	I800	CLP - percent moisture	28	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

September 02, 1993
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB17-C-A
LSG SAMPLE NO: H0246037
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	1685S	Petroleum Hydrocarbons	38	mg/kg
3	I800	CLP - percent moisture	20	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB19-B-A
LSG SAMPLE NO: H0246699
P.O. NO.: 1K94BC

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

LN	TEST		DETERMINATION	RESULT	UNITS
	CODE				
1	G107S	BTEX Package			
		Level C BTEX data package		Done	
2	I685S	Petroleum Hydrocarbons		< 27	mg/kg
3	I800	CLP - percent moisture		26	%
4	DPACK	CLP Data Package Deliverable		Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB19-C-A
LSG SAMPLE NO: H0246700
P.O. NO.: 1K94BC

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	< 25	mg/kg
3	I800	CLP - percent moisture	21	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-SB23-B-A
LSG SAMPLE NO: H0246702
P.O. NO.: 1K94BC

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	< 28	mg/kg
3	I800	CLP - percent moisture	28	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-FD23-C-A
LSG SAMPLE NO: H0246704
P.O. NO.: 1K948C

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	< 24	mg/kg
3	I800	CLP - percent moisture	15	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-SB22-A-A
LSG SAMPLE NO: H0246705
P.O. NO.: 1K948C

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

LN	TEST		DETERMINATION	RESULT	UNITS
	CODE				
1	G107S	BTEX Package			
		Level C BTEX data package		Done	
2	I685S	Petroleum Hydrocarbons		< 27	mg/kg
3	I800	CLP - percent moisture		27	%
4	DPACK	CLP Data Package Deliverable		Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB22-B-A
LSG SAMPLE NO: H0246706
P.O. NO.: 1K948C

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
<u>LN</u>	CODE			
1	G107S	BTEX Package Level C BTEX data package	Done	
2	I685S	Petroleum Hydrocarbons	< 28	mg/kg
3	I800	CLP - percent moisture	28	%
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB22-C-A
LSG SAMPLE NO: H0246707
P.O. NO.: 1K94BC

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

LN	TEST		DETERMINATION	RESULT	UNITS
	CODE				
1	G107S	BTEX Package			
		Level C BTEX data package		Done	
2	I685S	Petroleum Hydrocarbons		38	mg/kg
3	I800	CLP - percent moisture		20	% —
4	DPACK	CLP Data Package Deliverable		Done	

COMMENTS: Results reported on a dry weight basis.

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----					----- SAMPLE ANALYSIS -----				
TEST	PREP	LR-			LR-			ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT

SAMPLE ID: 02-SB21-A-A

LSG SAMPLE NO: H0245825

1	G107S	33042	NA			19-8020	11-AUG-93	1940 DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93	1608 LJH	0	302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA			02-SEP-93	1700 SLG		0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB21-A-A MS

LSG SAMPLE NO: H0245826

1	G107S	33042	NA			19-8020	11-AUG-93	2016 DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93	1609 LJH	0	302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA			02-SEP-93	1700 SLG		0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB21-A-A MSD

LSG SAMPLE NO: H0245827

1	G107S	33042	NA			19-8020	11-AUG-93	2052 DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93	1611 LJH	0	302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA			02-SEP-93	1700 SLG		0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----					----- SAMPLE ANALYSIS -----			
TEST	PREP	LR-			LR-		ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST BATCH INSTRUMENT

LR Method Literature Reference

- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB21-B-A

LSG SAMPLE NO: H0245828

1	G107S	33042	NA		19-8020	09-AUG-93	1645 DFF	0	7287GC
2	I685S	33171	19-3550		02-418.1	17-AUG-93	1613 LJH	0	302WAT
3	I800	33124	NA		20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA			02-SEP-93	1700 SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-FD21-B-A

LSG SAMPLE NO: H0245829

1	G107S	33042	NA		19-8020	09-AUG-93	1721 DFF	0	7287GC
2	I685S	33171	19-3550		02-418.1	17-AUG-93	1615 LJH	0	302WAT
3	I800	33124	NA		20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA			02-SEP-93	1700 SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB21-C-A

LSG SAMPLE NO: H0245830

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----						----- SAMPLE ANALYSIS -----			
TEST	PREP	LR-				LR-			
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT
1	G107S	33042	NA			19-8020	09-AUG-93 1758	DFF	0 7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93 1617	LJH	0 302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93 2200	JB	0 004WAT
4	DPACK	0	NA				02-SEP-93 1700	SLG	0

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB16-A-A

LSG SAMPLE NO: H0245831

1	G107S	33042	NA			19-8020	11-AUG-93 2205	DFF	0 7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93 1620	LJH	0 302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93 2200	JB	0 004WAT
4	DPACK	0	NA				02-SEP-93 1700	SLG	0

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB16-C-A

LSG SAMPLE NO: H0245832

1	G107S	33042	NA			19-8020	09-AUG-93 1910	DFF	0 7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93 1622	LJH	0 302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93 2200	JB	0 004WAT
4	DPACK	0	NA				02-SEP-93 1700	SLG	0

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----						----- SAMPLE ANALYSIS -----			
TEST	PREP	LR-				LR-	ANLS		
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT

LR Method Literature Reference

20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB20-A-A

LSG SAMPLE NO: H0245833

1	G107S	33042	NA			19-8020	11-AUG-93	2041 DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93	1623 LJH	0	302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0	

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB20-C-A

LSG SAMPLE NO: H0245834

1	G107S	33042	NA			19-8020	09-AUG-93	2023 DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	12-AUG-93	500 LJH	0	302WAT
3	I800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0	

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB18-A-A

LSG SAMPLE NO: H0246033

1	G107S	33042	NA			19-8020	09-AUG-93	2248 DFF	0	7287GC
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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION						SAMPLE ANALYSIS			
TEST	PREP	LR-				LR-			
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	ANLS
									BATCH INSTRUMENT
2	1685S	33171	19-3550			02-418.1	17-AUG-93	1627 LJH	0 302WAT
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0 004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB18-C-A

LSG SAMPLE NO: H0246034

1	G107S	33042	NA			19-8020	09-AUG-93	2325 DFF	0 7287GC
2	1685S	33171	19-3550			02-418.1	17-AUG-93	1629 LJH	0 302WAT
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0 004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB17-A-A

LSG SAMPLE NO: H0246035

1	G107S	33042	NA			19-8020	10-AUG-93	1 DFF	0 7287GC
2	1685S	33171	19-3550			02-418.1	17-AUG-93	1632 LJH	0 302WAT
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0 004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----					----- SAMPLE ANALYSIS -----				
TEST	PREP	LR-			LR-		ANLS		
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT

SAMPLE ID: 02-SB17-B-A

LSG SAMPLE NO: H0246036

1	G107S	33042	NA			19-8020	11-AUG-93	2317 DFF	0	7287GC
2	1685S	33171	19-3550			02-418.1	17-AUG-93	1634 LJH	0	302WAT
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB17-C-A

LSG SAMPLE NO: H0246037

1	G107S	33042	NA			19-8020	10-AUG-93	114 DFF	0	7287GC
2	1685S	33171	19-3550			02-418.1	17-AUG-93	1636 LJH	0	302WAT
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB19-B-A

LSG SAMPLE NO: H0246699

1	G107S	33063	NA			19-8020	12-AUG-93	1620 DFF	0	7287GC
2	1685S	33171	19-3550			02-418.1	17-AUG-93	1644 LJH	0	302WAT
3	1800	33125	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----					----- SAMPLE ANALYSIS -----				
TEST	PREP	LR-			LR-			ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT

LR Method Literature Reference

- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB19-C-A

LSG SAMPLE NO: H0246700

1	G107S	33063	NA			19-8020	12-AUG-93	1656 DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	17-AUG-93	1646 LJH	0	302WAT
3	I800	33125	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB23-A-A

LSG SAMPLE NO: H0246701

1	G107S	33063	NA			19-8020	12-AUG-93	1732 DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	18-AUG-93	930 LJH	0	302WAT
3	I800	33125	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				02-SEP-93	1700 SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB23-B-A

LSG SAMPLE NO: H0246702

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----						----- SAMPLE ANALYSIS -----				
LN	TEST CODE	PREP BATCH	LR-METHOD	DATE/TIME	ANALYST	LR-METHOD	DATE/TIME	ANALYST	ANLS BATCH	INSTRUMENT
1	G107S	33111	NA			19-8020	12-AUG-93 1845	DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	18-AUG-93 932	LJH	0	302WAT
3	I800	33125	NA			20-D21SV	16-AUG-93 2200	JB	0	004WAT
4	DPACK	0	NA				02-SEP-93 1700	SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB23-C-A

LSG SAMPLE NO: H0246703

1	G107S	33063	NA			19-8020	12-AUG-93 1921	DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	18-AUG-93 936	LJH	0	302WAT
3	I800	33125	NA			20-D21SV	16-AUG-93 2200	JB	0	004WAT
4	DPACK	0	NA				02-SEP-93 1700	SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-FD23-C-A

LSG SAMPLE NO: H0246704

1	G107S	33063	NA			19-8020	12-AUG-93 1921	DFF	0	7287GC
2	I685S	33171	19-3550			02-418.1	18-AUG-93 947	LJH	0	302WAT
3	I800	33125	NA			20-D21SV	16-AUG-93 2200	JB	0	004WAT
4	DPACK	0	NA				02-SEP-93 1700	SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----					----- SAMPLE ANALYSIS -----			
TEST	PREP	LR-			LR-		ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST BATCH INSTRUMENT

LR Method Literature Reference

20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB22-A-A

LSG SAMPLE NO: H0246705

1	G107S	33112	NA	19-8020	13-AUG-93	1509	DFF	0	7287GC
2	I685S	33171	19-3550	02-418.1	18-AUG-93	950	LJH	0	302WAT
3	I800	33125	NA	20-D21SV	16-AUG-93	2200	JB	0	004WAT
4	DPACK	0	NA		02-SEP-93	1700	SLG	0	

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB22-B-A

LSG SAMPLE NO: H0246706

1	G107S	33112	NA	19-8020	13-AUG-93	1545	DFF	0	7287GC
2	I685S	33171	19-3550	02-418.1	18-AUG-93	953	LJH	0	302WAT
3	I800	33125	NA	20-D21SV	16-AUG-93	2200	JB	0	004WAT
4	DPACK	0	NA		02-SEP-93	1700	SLG	0	

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB22-C-A

LSG SAMPLE NO: H0246707

1	G107S	33112	NA	19-8020	13-AUG-93	1621	DFF	0	7287GC
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REPORT OF LABORATORY ANALYSIS

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Section B Page 10

QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

----- SAMPLE PREPARATION -----						----- SAMPLE ANALYSIS -----				
TEST	PREP	LR-				LR-	ANLS			
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH	INSTRUMENT
2	1685S	33171	19-3550			02-418.1	18-AUG-93 955	LJH	0	302WAT
3	1800	33125	NA			20-D21SV	16-AUG-93 2200	JB	0	004WAT
4	DPACK	0	NA				02-SEP-93 1700	SLG	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

REPORT OF LABORATORY ANALYSIS

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Section D Page 1

QUALITY CONTROL REPORT LABORATORY CONTROL SAMPLE RECOVERY

TEST CODE DETERMINATION	PERCENT RECOVERY	ACCEPTANCE LIMITS
BATCH: 33042 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0247658
G107S BTEX Package Level C BTEX data package	Done	-
BATCH: 33063 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0247692
G107S BTEX Package Level C BTEX data package	Done	-
BATCH: 33111 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0247774
G107S BTEX Package Level C BTEX data package	Done	-
BATCH: 33112 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0247776
G107S BTEX Package Level C BTEX data package	Done	-
BATCH: 33171 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0247864
1685S Petroleum Hydrocarbons	103.6	-
BATCH: 33386 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0249222
1685S Petroleum Hydrocarbons	91.0	-

REPORT OF LABORATORY ANALYSIS

September 02, 1993
Report No.: 00026903
Section E Page 1

QUALITY CONTROL REPORT
METHOD BLANK DATA

TEST CODE	Determination	RESULT	UNITS
BATCH: 33041	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247657	
OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
BATCH: 33042	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247659	
G107S	BTEX Package Level C BTEX data package	Done	
BATCH: 33063	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247693	
G107S	BTEX Package Level C BTEX data package	Done	
BATCH: 33111	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247775	
G107S	BTEX Package Level C BTEX data package	Done	
BATCH: 33112	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247777	
G107S	BTEX Package Level C BTEX data package	Done	
BATCH: 33124	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247792	
1800	CLP - percent moisture	< 0.1	%
BATCH: 33125	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247793	
1800	CLP - percent moisture	< 0.1	%
BATCH: 33171	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247865	
1685S	Petroleum Hydrocarbons	< 20	mg/kg
BATCH: 33386	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0249223	
1685S	Petroleum Hydrocarbons	< 20	mg/kg

**BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
BTEX DATA PACKAGE
ELL1, PKG1**

**PACE, INCORPORATED
HOUSTON ANALYTICAL LABORATORY
SEPTEMBER 2, 1993**

CASE COMMENTS
BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
ELL1, PKG1
MATRIX: SOIL

1. This data package covers water samples received from August 5 to August 11. Refer to the enclosed list of samples and corresponding client identifications.
2. The samples were analyzed by the SW-846 GC method 8020 for BTEX.
3. See enclosed list of flag descriptions.
4. The data was reduced and input manually onto computer generated forms to simulate a CLP-type package for BTEX per the client's request. The results are reported on a dry weight basis and provide data as required under the Level C HAZWRAP protocols.
5. The primary analyses for BTEX was performed on a RTX-502.2 (0.53 mm) capillary column. The secondary column was packed column 5% SP-1200/1.75% Bentone 34 (1/8 in). All positive hits were reported from the primary column analyses.
6. Samples failing surrogate recovery limits were reanalyzed on the primary column to confirm matrix interference. These outliers were indicated on Form 2. There were two exceptions: 1) Sample 02SB21BA/H245828 was not run twice due to analyst oversight; 2) Sample 02SB23BA/H246702 was not rerun on the primary column, but was run on the secondary column to confirm matrix interference with the surrogate TFT (alpha, alpha, alpha-Trifluorotoluene).
7. On Form 3, the matrix spike and matrix spike duplicate anomalies are indicated. These anomalies do not effect the validity of the sample data. The recovery amounts recorded on Form 3 were corrected for amounts present in the original sample.
8. The continuing calibration standards analyzed on 08/10/93 at 0226 and 08/12/93 at 0655 were not associated with any sample analyses and were followed by new five-point calibrations.

ELLINGTON AFB TRACKING CHART

CASE I.D.: ELL1

SDG: PKG1

MATRIX: SOIL

PACE NUMBER	CLIENT I.D.	DATE SXD	DATE RCVD	PERCENT MOISTURE	ANALYSES REQUIRED
H245825	02-SB21-A-A	8/5	8/5	26	BTEX, TPH
H245826	02-SB21-A-A MS			26	
H245827	02-SB21-A-A MSD			27	
H245828	02-SB21-B-A			28	
H245829	02-FD21-B-A			28	
H245830	02-SB21-C-A			19	
H245831	02-SB16-A-A			25	
H245832	02-SB16-C-A			19	
H245833	02-SB20-A-A			24	
H245834	02-SB20-C-A			18	
H246033	02-SB18-A-A	8/6	8/6	20	
H246034	02-SB18-C-A			19	
H246035	02-SB17-A-A			26	
H246036	02-SB17-B-A			28	
H246037	02-SB17-C-A			20	
H246699	02-SB19-B-A	8/11	8/11	26	
H246700	02-SB19-C-A			21	
H246701	02-SB23-A-A			6.3	
H246702	02-SB23-B-A			28	
H246703	02-SB23-C-A			17	
H246704	02-FD23-C-A			15	
H246705	02-SB22-A-A			27	
H246706	02-SB22-B-A			28	
H246707	02-SB22-C-A			20	

USEPA Contract Laboratory Program (CLP) Data Reporting Qualifiers

(from Statement of Work for Organics Analysis, Rev. 3/90)

- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag; instead use a laboratory-defined flag, discussed below.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and reanalyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, for example, a diluted analysis is not required for total xylenes unless the concentration of either peak separately exceeds 200 ug/L.
- F - Indicates an estimate value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3 J. The sample quantitation limit must be adjusted for dilution as discussed for the U flag.
- N - Indicates the presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.
- P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X.) The lower of the two values is reported on Form I and flagged with a "p."
- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to
- $$\frac{(330 \text{ U})}{D} \times df, \text{ where } D = \frac{100 - \% \text{ moisture}}{100} \text{ and } df = \text{dilution factor}$$
- For example, at 24% moisture, $D = \frac{100 - 24}{100} = 0.76$
- $$\frac{(330 \text{ U})}{0.76} \times 10 = 4300 \text{ U} \quad \text{rounded to the appropriate number of significant figures}$$
- For soil samples subjected to GPC cleanup procedures, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the specified volume, this fact must be accounted for in reporting the sample quantitation limit.
- X - Other specific flags may be required to properly define the results. If used, they must be fully described, and such description attached to the Sample Data Summary Package and the SDG Narrative. Begin by using "X." If more than one flag is required, use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags, as needed. For instance, the "X" flag might combine the "A," "B," and "D" flags for some sample. The laboratory-defined flags are limited to the letters "X," "Y," and "Z."
- The combination of flags "EU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

0000016

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02FD21BA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245829

Sample wt/vol: 5 (g/mL) g

Lab File ID: 013F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 28

Date Analyzed: 08/09/93

- GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

00000617

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02FD23CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246704

Sample wt/vol: 5 (g/mL) g

Lab File ID: 013F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 15

Date Analyzed: 08/12/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000018

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB16AA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245831

Sample wt/vol: 5 (g/mL) g

Lab File ID: 015F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 25

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	33	
100-41-4-----Ethylbenzene	32	
1330-20-7-----Xylene (Total)	21	

0000019

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB16AARE

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245831RE

Sample wt/vol: 5 (g/mL) g

Lab File ID: 017F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 25

Date Analyzed: 08/11/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	51	
100-41-4-----Ethylbenzene	50	
1330-20-7-----Xylene (Total)	61	

0000020

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB16CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245832

Sample wt/vol: 5 (g/mL) g

Lab File ID: 016F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 19

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000021

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB17AA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246035

Sample wt/vol: 5 (g/mL) g

Lab File ID: 024F0101.D

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 26

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000022

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB17BA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246036

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0250101.D

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 28

Date Analyzed: 08/10/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000023

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB17BARE

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246036RE

Sample wt/vol: 5 (g/mL) g

Lab File ID: 019F0101.D

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 28

Date Analyzed: 08/11/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.6	
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000024

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB17CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246037

Sample wt/vol: 5 (g/mL) g

Lab File ID: 026F0101.D

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 20

Date Analyzed: 08/10/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000025

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB18AA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246033

Sample wt/vol: 5 (g/mL) g

Lab File ID: 022F0101.D

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 20

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000026

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB18CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246034

Sample wt/vol: 5 (g/mL) g

Lab File ID: 023F0101.D

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 19

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000027

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB19BA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water)

SOIL

Lab Sample ID: H246699

Sample wt/vol: 5

(g/mL) g

Lab File ID: 008F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 26

Date Analyzed: 08/12/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000028

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB19CA

Lab Name: PACE, INC. Contract: ELLINGTON

Lab Code: HOUSTON Case No.: ELL1 SDG No.: PKG1

Matrix: (soil/water) SOIL Lab Sample ID: H246700

Sample wt/vol: 5 (g/mL) g Lab File ID: 009F0101.D

Level: (low/med) LOW Date Received: 08/11/93

% Moisture: 21 Date Analyzed: 08/12/93

-GC Column: RTX 502.2 ID: 0.53 (mm) Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000029

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB20AA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245833

Sample wt/vol: 5 (g/mL) g

Lab File ID: 017F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 24

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	7.9	
1330-20-7-----Xylene (Total)	5.0	U

0000030

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB20AARE

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245833RE

Sample wt/vol: 5 (g/mL) g

Lab File ID: 018F0101.0

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 24

Date Analyzed: 08/11/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	13	
100-41-4-----Ethylbenzene	13	
1330-20-7-----Xylene (Total)	5.0	U

0000031

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB20CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245834

Sample wt/vol: 5 (g/mL) g

Lab File ID: 018F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 18

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----	Benzene	5.0	U
108-88-3-----	Toluene	5.0	U
100-41-4-----	Ethylbenzene	5.0	U
1330-20-7-----	Xylene (Total)	5.0	U

0000032

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB21AA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245825

Sample wt/vol: 5 (g/mL) g

Lab File ID: 008F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 26

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	8.8	
1330-20-7-----Xylene (Total)	5.0	U

0000033

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB21AARE

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245825RE

Sample wt/vol: 5 (g/mL) g

Lab File ID: 013F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 26

Date Analyzed: 08/11/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	8.0	
1330-20-7-----Xylene (Total)	5.0	U

0000034

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB21BA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245828

Sample wt/vol: 5 (g/mL) g

Lab File ID: 012F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 28

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000035

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB21CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water)

SOIL

Lab Sample ID: H245830

Sample wt/vol: 5

(g/mL) g

Lab File ID: 014F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 19

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----	Benzene	5.0	U
108-88-3-----	Toluene	5.0	U
100-41-4-----	Ethylbenzene	5.0	U
1330-20-7-----	Xylene (Total)	5.0	U

0000036

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB22AA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246705

Sample wt/vol: 5 (g/mL) g

Lab File ID: 006F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 27

Date Analyzed: 08/13/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000037

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB22BA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246706

Sample wt/vol: 5 (g/mL) g

Lab File ID: 007F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 28

Date Analyzed: 08/13/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000038

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB22CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246707

Sample wt/vol: 5 (g/mL) g

Lab File ID: 008F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 20

Date Analyzed: 08/13/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000039

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB23AA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246701

Sample wt/vol: 5 (g/mL) g

Lab File ID: 010F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 6.3

Date Analyzed: 08/12/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----	Benzene	5.0	U
108-88-3-----	Toluene	5.0	U
100-41-4-----	Ethylbenzene	5.0	U
1330-20-7-----	Xylene (Total)	5.0	U

0000040

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB23BA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water)

SOIL

Lab Sample ID: H246702

Sample wt/vol: 5

(g/mL) g

Lab File ID: 011F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 28

Date Analyzed: 08/12/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----	Benzene	5.0	U
108-88-3-----	Toluene	5.0	U
100-41-4-----	Ethylbenzene	16	
1330-20-7-----	Xylene (Total)	5.0	U

0000041

1E
BTEX ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

02SB23CA

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H246703

Sample wt/vol: 5 (g/mL) g

Lab File ID: 012F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 17

Date Analyzed: 08/12/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000062

1E
BTEX ORGANICS ANALYSIS DATA SHEET

BLANK SAMPLE NO.

VBLK1

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H247659BLK

Sample wt/vol: 5 (g/mL) g

Lab File ID: 007F0101.D

Level: (low/med) LOW

Date Received: 08/09/93

% Moisture: not dec.

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000063

1E
BTEX ORGANICS ANALYSIS DATA SHEET

BLANK SAMPLE NO.

VBLK2

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H247626BLK

Sample wt/vol: 5 (g/mL) g

Lab File ID: 009F0101.D

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec.

Date Analyzed: 08/11/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000064

1E
BTEX ORGANICS ANALYSIS DATA SHEET

BLANK SAMPLE NO.

VBLK4

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H247693BLK

Sample wt/vol: 5 (g/mL) g

Lab File ID: 004F0101.D

Level: (low/med) LOW

Date Received: 08/12/93

% Moisture: not dec.

Date Analyzed: 08/12/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000065

1E
BTEX ORGANICS ANALYSIS DATA SHEET

BLANK SAMPLE NO.

VBLK5

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H247777BLK

Sample wt/vol: 5 (g/mL) g

Lab File ID: 003F0101.D

Level: (low/med) LOW

Date Received: 08/13/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

50000066

1E
BTEX ORGANICS ANALYSIS DATA SHEET

BLANK SAMPLE NO.

VBK3

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H247713BLK

Sample wt/vol: 5 (g/mL) g

Lab File ID: B048012

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec.

Date Analyzed: 08/11/93

GC Column: SP1200 ID: 1/8 (in)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	5.0	U
108-88-3-----Toluene	5.0	U
100-41-4-----Ethylbenzene	5.0	U
1330-20-7-----Xylene (Total)	5.0	U

0000067

1E
BTEX ORGANICS ANALYSIS DATA SHEET

BLANK SAMPLE NO.

VBLK6

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H247775BLK

Sample wt/vol: 5 (g/mL) g

Lab File ID: B048009

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec.

Date Analyzed: 08/14/93

GC Column: SP1200 ID: 1/8 (in)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----	Benzene	5.0	U
108-88-3-----	Toluene	5.0	U
100-41-4-----	Ethylbenzene	5.0	U
1330-20-7-----	Xylene (Total)	5.0	U

0000068

1E
BTEX ORGANICS ANALYSIS DATA SHEET

MS SAMPLE NO.

02SB21AAMS

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245826MS

Sample wt/vol: 5 (g/mL) g

Lab File ID: 009F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 26

Date Analyzed: 08/09/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

71-43-2-----Benzene	25	
108-88-3-----Toluene	15	
100-41-4-----Ethylbenzene	29	
1330-20-7-----Xylene (Total)	69	

0000069

1E
BTEX ORGANICS ANALYSIS DATA SHEET

MS SAMPLE NO.

02SB21AAMSRE

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245826MSRE

Sample wt/vol: 5 (g/mL) g

Lab File ID: 014F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 26

Date Analyzed: 08/11/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----Benzene	33	
108-88-3-----Toluene	28	
100-41-4-----Ethylbenzene	34	
1330-20-7-----Xylene (Total)	72	

0000071

1E
BTEX ORGANICS ANALYSIS DATA SHEET

MSD SAMPLE NO.

02SB21AAMSDRE

Lab Name: PACE, INC.

Contract: ELLINGTON

Lab Code: HOUSTON

Case No.: ELL1

SDG No.: PKG1

Matrix: (soil/water) SOIL

Lab Sample ID: H245827MSDRE

Sample wt/vol: 5 (g/mL) g

Lab File ID: 015F0101.D

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 27

Date Analyzed: 08/11/93

GC Column: RTX 502.2 ID: 0.53 (mm)

Dilution Factor: 1.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

71-43-2-----Benzene	37	
108-88-3-----Toluene	30	
100-41-4-----Ethylbenzene	36	
1330-20-7-----Xylene (Total)	69	

**BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
TPH DATA PACKAGE
ELL1, PKG2**

**PACE, INCORPORATED
HOUSTON ANALYTICAL LABORATORY
SEPTEMBER 13, 1993**

**TPH CASE COMMENTS
BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
ELL1, PKG2
MATRIX: SOIL**

1. This data package covers water samples received from August 5 to August 13. Refer to the enclosed list of samples and corresponding client identifications.
2. The samples were analyzed according to the EPA method 418.1 and reported on a dry weight basis.
3. The data was reported via the PACE, INC. LIMS system, which includes all the QA/QC data requirements for Level C HAZWRAP protocols.
4. All the TPH were analyzed within 28 days. This includes the reanalyses for the following samples: 02-RB01-A-A (H245839), 02-FB01-A-A (H245840), 01-FB02-A-A (H245841), and 02-RB02-A-A (H246039).

ELLINGTON AFB TRACKING CHART

CASE I.D.: ELL1
SDG: PKG2
MATRIX: SOIL

PACE NUMBER	CLIENT I.D.	DATE SXD	DATE RCVD
----------------	----------------	-------------	--------------

H245835	02-SB16-B-A	8/5	8/5
H245836	02-SB20-B-A		
H245837	02-SB20-B-A MS		
H245838	02-SB20-B-A MSD		
H245839	02-RB01-A-A		
H245840	02-FB01-A-A		
H245841	02-FB02-A-A		
H245842	02-TB01-A-A		
H245843	02-TB02-A-A		
H246038	02-SB18-B-A	8/6	8/6
H246039	02-RB02-A-A		
H246040	02-SB15-A-A		
H246041	02-SB15-B-A		
H246042	02-SB15-C-A		
H246043	02-FD15-C-A		
H246044	02-TB03-A-A		
H246697	02-SB19-A-A	8/11	8/11
H246698	02-RB03-A-A		
H246708	02-TB04-A		
H246770	02-SB18-B-A MS	8/6	8/6
H246771	02-SB18-B-A-MSD		
H247049	02-SB26-B-A	8/13	8/14
H247050	02-RB05-A-A		
H247051	02-TB06-A-A		

REPORT OF LABORATORY ANALYSIS

September 14, 1993
Report No.: 00027123
Section A Page 1

LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB16-B-A
LSG SAMPLE NO: H0245835
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNIT
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
3	1800	CLP - percent moisture	27	%
4	DPACK	CLP Data Package Deliverable	Done	
5	1685S	Petroleum Hydrocarbons	41	mg/kg
6	1801	CLP pH for Organics Extraction	6.52	

COMMENTS: Results reported on a dry weight basis.

Case: ELL1, SDG: PKG2 consists of PACE sample numbers:
H245835-H245843; H246038-H246044; H246697-H246698; H246708; H247049-H247051
The initial calibration verification (ICV) for TPH is as follows:
Date/Time run Percent Recovery
8/18/93 1404 97%
8/25/93 1042 91%
The continuing calibrations (CCV) for TPH are as follows:
Date/Time run Percent Recovery
8/18/93 1445 100%
8/25/93 1055 103%
9/3/93 0805 100%

REPORT OF LABORATORY ANALYSIS

September 14, 1993
Report No.: 00027123
Section A Page 2

LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB20-B-A
LSG SAMPLE NO: H0245836
P.O. NO.: 1K948C

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
3	I800	CLP - percent moisture	25	%
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 27	mg/kg
6	I801	CLP pH for Organics Extraction	6.55	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

September 14, 1993
Report No.: 00027123
Section A Page 3

LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB20-B-A MS
LSG SAMPLE NO: H0245837
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
3	I800	CLP - percent moisture	26	%
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	510	mg/kg

COMMENTS: Ms recovery Petroleum Hydrocarbons = 100.0 % .
Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB20-B-A MSD
LSG SAMPLE NO: H0245838
P.O. NO.: 1K948C

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

LN	TEST		DETERMINATION	RESULT	UNITS
	CODE				
2	OSTSC	TCL - BNA + CLP Data Package - Soil			
		Data Package - BNA	Done		ug/kg
3	1800	CLP - percent moisture	27		%
4	DPACK	CLP Data Package Deliverable	Done		
5	I685S	Petroleum Hydrocarbons	510		mg/kg

COMMENTS: % Moisture Relative Percent Difference = 7.6 .
Petroleum Hydrocarbons Matrix Spike Duplicate recovery = 97.4 %; RPD = 2.7 .
Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

September 14, 1993
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-RB01-A-A
LSG SAMPLE NO: H0245839
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 20	mg/kg
6	I801	CLP pH for Organics Extraction	6.35	

COMMENTS:

REPORT OF LABORATORY ANALYSIS

September 14, 1993
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-FB01-A-A
LSG SAMPLE NO: H0245840
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	—
5	I685S	Petroleum Hydrocarbons	< 20	mg/kg
6	I801	CLP pH for Organics Extraction	6.05	

COMMENTS:

REPORT OF LABORATORY ANALYSIS

September 14, 1993
Report No.: 00027123
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-FB02-A-A
LSG SAMPLE NO: H0245841
P.O. NO.: 1K94BC

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

LN	TEST		DETERMINATION	RESULT	UNITS
	CODE				
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA		Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA		Done	ug/kg
4	DPACK	CLP Data Package Deliverable		Done	
5	I685S	Petroleum Hydrocarbons		< 20	mg/kg
6	I801	CLP pH for Organics Extraction		7.39	

COMMENTS:

REPORT OF LABORATORY ANALYSIS

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Report No.: 00027123
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-TB01-A-A
LSG SAMPLE NO: H0245842
P.O. NO.: 1K948C

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS:

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-TB02-A-A
LSG SAMPLE NO: H0245843
P.O. NO.: 1K94BC

DATE SAMPLED: 05-AUG-93
DATE RECEIVED: 05-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS:

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB18-B-A
LSG SAMPLE NO: H0246038
P.O. NO.: 1K948C

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

<u>LN</u>	TEST CODE	DETERMINATION	RESULT	UNITS
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
3	1800	CLP - percent moisture	21	%
4	DPACK	CLP Data Package Deliverable	Done	
5	1685S	Petroleum Hydrocarbons	38	mg/kg
6	1801	CLP pH for Organics Extraction	6.76	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-RB02-A-A
LSG SAMPLE NO: H0246039
P.O. NO.: 1K948C

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 20	mg/kg
6	I801	CLP pH for Organics Extraction	5.67	

COMMENTS:

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB15-A-A
LSG SAMPLE NO: H0246040
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
3	I800	CLP - percent moisture	16	%
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	35	mg/kg

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB15-B-A
LSG SAMPLE NO: H0246041
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
3	I800	CLP - percent moisture	25	%
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 27	mg/kg

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB15-C-A
LSG SAMPLE NO: H0246042
P.O. NO.: 1K948C

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
3	1800	CLP - percent moisture	19	%
4	DPACK	CLP Data Package Deliverable	Done	
5	1685S	Petroleum Hydrocarbons	49	mg/kg

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-FD15-C-A
LSG SAMPLE NO: H0246043
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
3	1800	CLP - percent moisture	15	%
4	DPACK	CLP Data Package Deliverable	Done	
5	1685S	Petroleum Hydrocarbons	< 24	mg/kg

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-TB03-A-A
LSG SAMPLE NO: H0246044
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
4	DPACK	CLP Data Package Deliverable	Done	
5	OVTCS	TCL - Volatiles in Soil Data Package - VOA	Done	ug/kg

COMMENTS:

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB19-A-A
LSG SAMPLE NO: H0246697
P.O. NO.: 1K948C

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
3	I800	CLP - percent moisture	27	%
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 27	mg/kg
6	I801	CLP pH for Organics Extraction	6.48	

COMMENTS: Results reported on a dry weight basis.

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-RB03-A-A
LSG SAMPLE NO: H0246698
P.O. NO.: 1K94BC

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

<u>LN</u>	TEST CODE	DETERMINATION	RESULT	UNITS
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 20	mg/kg
6	I801	CLP pH for Organics Extraction	6.48	

COMMENTS:

REPORT OF LABORATORY ANALYSIS

September 14, 1993
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

SAMPLE ID: 02-TB04-A
LSG SAMPLE NO: H0246708
P.O. NO.: 1K94BC

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

DATE SAMPLED: 11-AUG-93
DATE RECEIVED: 11-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS:

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB18-B-A MS
LSG SAMPLE NO: H0246770
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

<u>LN</u>		TEST CODE	DETERMINATION	RESULT	UNITS
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA		Done	ug/kg
4	DPACK	CLP Data Package Deliverable		Done	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB18-B-A MSD
LSG SAMPLE NO: H0246771
P.O. NO.: 1K94BC

DATE SAMPLED: 06-AUG-93
DATE RECEIVED: 06-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS:

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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-SB26-B-A
LSG SAMPLE NO: H0247049
P.O. NO.: 1K94BC

DATE SAMPLED: 13-AUG-93
DATE RECEIVED: 14-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
3	I800	CLP - percent moisture	27	%
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 27	mg/kg
6	I801	CLP pH for Organics Extraction	6.97	

COMMENTS: Results reported on a dry weight basis.

REPORT OF LABORATORY ANALYSIS

September 14, 1993
Report No.: 00027123
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-RB05-A-A
LSG SAMPLE NO: H0247050
P.O. NO.: 1K94BC

DATE SAMPLED: 13-AUG-93
DATE RECEIVED: 14-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
2	OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	
5	I685S	Petroleum Hydrocarbons	< 20	mg/kg
6	I801	CLP pH for Organics Extraction	8.20	

COMMENTS:

REPORT OF LABORATORY ANALYSIS

September 14, 1993
Report No.: 00027123
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LABORATORY ANALYSIS REPORT

CLIENT NAME: BROWN & ROOT ENVIRONMENTAL
ADDRESS: P.O. BOX 4574
HOUSTON, TX 77210-4574
ATTENTION: MARK SPENCER

LSG CLIENT NO: 0718 0001
PACE PROJECT: H07180001
PACE CLIENT: 620438

SAMPLE ID: 02-TB06-A-A
LSG SAMPLE NO: H0247051
P.O. NO.: 1K948C

DATE SAMPLED: 13-AUG-93
DATE RECEIVED: 14-AUG-93
APPROVED BY: D Meyer

TEST		DETERMINATION	RESULT	UNITS
LN	CODE			
1	OVTSC	TCL - VOA + CLP Data Package - Soil Data Package - VOA	Done	ug/kg
4	DPACK	CLP Data Package Deliverable	Done	

COMMENTS:

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION					SAMPLE ANALYSIS			
TEST LN	PREP CODE	LR- BATCH	LR- METHOD	DATE/TIME	ANALYST	LR- METHOD	DATE/TIME	ANLS BATCH INSTRUMENT

SAMPLE ID: 02-SB16-B-A

LSG SAMPLE NO: H0245835

1	OVTSC	0	NA			20-CLP	15-AUG-93	1852 MSH	0	GCMSS
2	OSTSC	32942	20-CLP	09-AUG-93 1200 RE		20-CLPSW	20-AUG-93	1440 ASP	0	GCMSS
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				10-SEP-93	1700 SLG	0	
5	1685S	33193	19-3550			02-418.1	18-AUG-93	1407 LJH	0	302WAT
6	1801	33007	NA			20-D21SV	11-AUG-93	1200 SS	0	111WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB20-B-A

LSG SAMPLE NO: H0245836

1	OVTSC	0	NA			20-CLP	15-AUG-93	2120 MSH	0	GCMSS
2	OSTSC	32942	20-CLP	09-AUG-93 1200 RE		20-CLPSW	20-AUG-93	1523 ASP	0	GCMSS
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				10-SEP-93	1700 SLG	0	
5	1685S	33193	19-3550			02-418.1	18-AUG-93	1409 LJH	0	302WAT
6	1801	33007	NA			20-D21SV	11-AUG-93	1200 SS	0	111WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB20-B-A MS

LSG SAMPLE NO: H0245837

2	OSTSC	32942	20-CLP	09-AUG-93 1200 RE		20-CLPSW	20-AUG-93	1603 ASP	0	GCMSS
3	1800	33124	NA			20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA				10-SEP-93	1700 SLG	0	
5	1685S	33193	19-3550			02-418.1	18-AUG-93	1412 LJH	0	302WAT

LR Method Literature Reference

REPORT OF LABORATORY ANALYSIS

September 14, 1993
Report No.: 00027123
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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION					SAMPLE ANALYSIS			
TEST	PREP	LR-			LR-		ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST BATCH INSTRUMENT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB20-B-A MSD

LSG SAMPLE NO: H0245838

2	OSTSC	32942	20-CLP	09-AUG-93 1200 RE	20-CLPSW	20-AUG-93 1648 ASP	0	GCMSS
3	I800	33124	NA		20-D21SV	16-AUG-93 2200 JB	0	004WAT
4	DPACK	0	NA			10-SEP-93 1700 SLG	0	
5	I685S	33193	19-3550		02-418.1	18-AUG-93 1415 LJH	0	302WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-RB01-A-A

LSG SAMPLE NO: H0245839

1	OVTSC	0	NA		20-CLP	13-AUG-93 1253 JBP	0	GCMSS
2	OSTSC	32942	20-CLP	09-AUG-93 1200 RE	20-CLPSW	20-AUG-93 1731 ASP	0	GCMSS
4	DPACK	0	NA			10-SEP-93 1700 SLG	0	
5	I685S	33193	19-3550		02-418.1	03-SEP-93 809 LJH	0	302WAT
6	I801	33007	NA		20-D21SV	11-AUG-93 1200 SS	0	111WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION					SAMPLE ANALYSIS			
TEST	PREP	LR-			LR-		ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST BATCH INSTRUMENT

SAMPLE ID: 02-FB01-A-A

LSG SAMPLE NO: H0245840

1	OVTSC	0	NA			20-CLP	13-AUG-93 1321 JBP	0	GCMSS
2	OSTSC	32942	20-CLP	09-AUG-93 1200 RE		20-CLPSW	30-AUG-93 1144 ASP	0	GCMSS
4	DPACK	0	NA				10-SEP-93 1700 SLG	0	
5	1685S	33193	19-3550			02-418.1	03-SEP-93 811 LJH	0	302WAT
6	1801	33007	NA			20-D21SV	11-AUG-93 1200 SS	0	111WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-FB02-A-A

LSG SAMPLE NO: H0245841

1	OVTSC	0	NA			20-CLP	13-AUG-93 1347 JBP	0	GCMSS
2	OSTSC	0	20-CLP			20-CLPSW	20-AUG-93 1814 ASP	0	GCMSS
4	DPACK	0	NA				10-SEP-93 1700 SLG	0	
5	1685S	33193	19-3550			02-418.1	03-SEP-93 813 LJH	0	302WAT
6	1801	33007	NA			20-D21SV	11-AUG-93 1200 SS	0	111WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-TB01-A-A

LSG SAMPLE NO: H0245842

1	OVTSC	0	NA			20-CLP	13-AUG-93 1413 JBP	0	GCMSS
4	DPACK	0	NA				10-SEP-93 1700 SLG	0	

LR Method Literature Reference

- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION						SAMPLE ANALYSIS			
TEST	PREP	LR-				LR-	ANLS		
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT

SAMPLE ID: 02-TB02-A-A

LSG SAMPLE NO: H0245843

1	OVTSC	0	NA			20-CLP	13-AUG-93 1441	JBP	0	GCMSO
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	

LR Method Literature Reference

20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB18-B-A

LSG SAMPLE NO: H0246038

1	OVTSC	0	NA			20-CLP	13-AUG-93 1607	JBP	0	GCMSO
2	OSTSC	32942	20-CLP	09-AUG-93 1200	RE	20-CLPSW	20-AUG-93 1857	ASP	0	GCMS
3	I800	33124	NA			20-D21SV	16-AUG-93 2200	JB	0	004WAT
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	
5	I685S	33193	19-3550			02-418.1	18-AUG-93 1428	LJH	0	302WAT
6	I801	33007	NA			20-D21SV	11-AUG-93 1200	SS	0	111WAT

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-RB02-A-A

LSG SAMPLE NO: H0246039

1	OVTSC	0	NA			20-CLP	13-AUG-93 1508	JBP	0	GCMSO
2	OSTSC	32942	20-CLP	09-AUG-93 1200	RE	20-CLPSW	20-AUG-93 1940	ASP	0	GCMS
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	
5	I685S	33193	19-3550			02-418.1	03-SEP-93 815	LJH	0	302WAT
6	I801	33007	NA			20-D21SV	11-AUG-93 1200	SS	0	111WAT

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION					SAMPLE ANALYSIS			
TEST	PREP	LR-			LR-		ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST BATCH INSTRUMENT

LR Method Literature Reference

20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB15-A-A

LSG SAMPLE NO: H0246040

3	I800	33124	NA	20-D21SV	16-AUG-93	2200	JB	0	004WAT
4	DPACK	0	NA		10-SEP-93	1700	SLG	0	
5	I685S	33193	19-3550	02-418.1	18-AUG-93	1433	LJH	0	302WAT

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB15-B-A

LSG SAMPLE NO: H0246041

3	I800	33124	NA	20-D21SV	16-AUG-93	2200	JB	0	004WAT
4	DPACK	0	NA		10-SEP-93	1700	SLG	0	
5	I685S	33193	19-3550	02-418.1	18-AUG-93	1436	LJH	0	302WAT

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB15-C-A

LSG SAMPLE NO: H0246042

3	I800	33125	NA	20-D21SV	16-AUG-93	2200	JB	0	004WAT
4	DPACK	0	NA		10-SEP-93	1700	SLG	0	
5	I685S	33193	19-3550	02-418.1	18-AUG-93	1439	LJH	0	302WAT

LR Method Literature Reference

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION					SAMPLE ANALYSIS			
TEST	PREP	LR-			LR-		ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST BATCH INSTRUMENT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-FD15-C-A

LSG SAMPLE NO: H0246043

3	I800	33125	NA		20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA			10-SEP-93	1700 SLG	0	
5	I685S	33193	19-3550		02-418.1	18-AUG-93	1444 LJH	0	302WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-TB03-A-A

LSG SAMPLE NO: H0246044

4	DPACK	0	NA			10-SEP-93	1700 SLG	0	
5	OVTCS	0	NA		19-8240	13-AUG-93	1534 JBP	0	GCMSO

LR Method Literature Reference

- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986

SAMPLE ID: 02-SB19-A-A

LSG SAMPLE NO: H0246697

1	OVTSC	0	NA		20-CLP	14-AUG-93	2217 EHM	0	GCMSO
2	OSTSC	33041	20-CLP	12-AUG-93 1200 MLN	20-CLPSW	27-AUG-93	1354 ASP	0	GCMSO
3	I800	33125	NA		20-D21SV	16-AUG-93	2200 JB	0	004WAT
4	DPACK	0	NA			10-SEP-93	1700 SLG	0	

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION						SAMPLE ANALYSIS			
LN	TEST CODE	PREP BATCH	LR-METHOD	DATE/TIME	ANALYST	LR-METHOD	DATE/TIME	ANALYST	ANLS BATCH INSTRUMENT
5	I685S	33386	19-3550			02-418.1	25-AUG-93 1046	SAO	0 302WAT
6	I801	33127	NA			20-D21SV	16-AUG-93 500	JB	0 111WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-RB03-A-A

LSG SAMPLE NO: H0246698

1	OVTSC	0	NA			20-CLP	14-AUG-93 2344	EHM	0 GCMSO
2	OSTSC	33041	20-CLP	12-AUG-93 1200	MLN	20-CLPSW	23-AUG-93 1055	ASP	0 GCMSO
4	DPACK	0	NA				10-SEP-93 1700	SLG	0
5	I685S	33386	19-3550			02-418.1	25-AUG-93 1048	SAO	0 302WAT
6	I801	33127	NA			20-D21SV	16-AUG-93 500	JB	0 111WAT

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-TB04-A

LSG SAMPLE NO: H0246708

1	OVTSC	0	NA			20-CLP	15-AUG-93 13	EHM	0 GCMSO
4	DPACK	0	NA				10-SEP-93 1700	SLG	0

LR Method Literature Reference

- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION						SAMPLE ANALYSIS			
TEST	PREP	LR-				LR-		ANLS	
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT

SAMPLE ID: 02-SB18-B-A MS

LSG SAMPLE NO: H0246770

1	OVTSC	0	NA			20-CLP	13-AUG-93 1638	JBP	0	GCMSO
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	

LR Method Literature Reference

20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB18-B-A MSD

LSG SAMPLE NO: H0246771

1	OVTSC	0	NA			20-CLP	13-AUG-93 1714	JBP	0	GCMSO
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	

LR Method Literature Reference

20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-SB26-B-A

LSG SAMPLE NO: H0247049

1	OVTSC	0	NA			20-CLP	24-AUG-93 1332	EHM	0	GCMSO
2	OSTSC	33261	20-CLP	17-AUG-93 1330	RDQ	20-CLPSW	27-AUG-93 1509	ASP	0	GCMSO
3	1800	33327	NA			20-D21SV	23-AUG-93 1230	DPP	0	005WAT
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	
5	1685S	33386	19-3550			02-418.1	25-AUG-93 1051	SAO	0	302WAT
6	1801	33351	NA			20-D21SV	24-AUG-93 1500	DPP	0	111WAT

LR Method Literature Reference

02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.

19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986

20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

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QUALITY CONTROL REPORT SUPPLEMENTAL INFORMATION

SAMPLE PREPARATION						SAMPLE ANALYSIS			
TEST	PREP	LR-				LR-	ANLS		
LN	CODE	BATCH	METHOD	DATE/TIME	ANALYST	METHOD	DATE/TIME	ANALYST	BATCH INSTRUMENT

SAMPLE ID: 02-RB05-A-A

LSG SAMPLE NO: H0247050

1	OVTSC	0	NA			20-CLP	17-AUG-93 1743	EHM	0	GCMSO
2	OSTSC	33261	20-CLP	17-AUG-93 1330	RDQ	20-CLPSW	23-AUG-93 1429	ASP	0	GCMS
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	
5	I685S	33386	19-3550			02-418.1	25-AUG-93 1053	SAO	0	302WAT
6	I801	0	NA			20-D21SV	17-AUG-93 1530	RDQ	0	

LR Method Literature Reference

- 02 EPA-Methods for Chemical Analysis of Water & Wastes, 1984.
- 19 EPA-Test Methods for Evaluating Solid Waste, 3rd ed, Nov. 1986
- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

SAMPLE ID: 02-TB06-A-A

LSG SAMPLE NO: H0247051

1	OVTSC	0	NA			20-CLP	17-AUG-93 1811	EHM	0	GCMSO
4	DPACK	0	NA				10-SEP-93 1700	SLG	0	

LR Method Literature Reference

- 20 USEPA CLP SOW for Organic Analysis, Multi-Conc., Rev. 2/88

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QUALITY CONTROL REPORT
LABORATORY CONTROL SAMPLE RECOVERY

TEST CODE DETERMINATION	PERCENT RECOVERY	ACCEPTANCE LIMITS
BATCH: 32942 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0246506
OSTSC TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	-
BATCH: 33193 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0247904
1685S Petroleum Hydrocarbons	104.0	-
BATCH: 33386 SAMPLE ID: Lab Control Sample		LSG SAMPLE NO: H0249222
1685S Petroleum Hydrocarbons	91.0	-

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QUALITY CONTROL REPORT METHOD BLANK DATA

TEST CODE	Determination	RESULT	UNITS
BATCH: 32942	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0246507	
OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
BATCH: 33041	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247657	
OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
BATCH: 33124	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247792	
1800	CLP - percent moisture	< 0.1	%
BATCH: 33125	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247793	
1800	CLP - percent moisture	< 0.1	%
BATCH: 33193	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0247905	
1685S	Petroleum Hydrocarbons	< 20	mg/kg
BATCH: 33261	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0249014	
OSTSC	TCL - BNA + CLP Data Package - Soil Data Package - BNA	Done	ug/kg
BATCH: 33327	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0249132	
1800	CLP - percent moisture	< 0.1	%
BATCH: 33386	SAMPLE ID: Method Blank	LSG SAMPLE NO: H0249223	
1685S	Petroleum Hydrocarbons	< 20	mg/kg

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QUALITY CONTROL REPORT DUPLICATE AND MATRIX SPIKE DATA

BATCH: 33007

LSG SAMPLE NO: H0245836

TEST	DETERMINATION	ORIGINAL RESULT	Duplicate RESULT	UNITS	RANGE / RPD	UNITS	MS RESULT	MS % RCVRY
1801	CLP pH for Organics Extraction	6.55	6.57		0.5			

BATCH: 33127

LSG SAMPLE NO: H0246697

TEST	DETERMINATION	ORIGINAL RESULT	Duplicate RESULT	UNITS	RANGE / RPD	UNITS	MS RESULT	MS % RCVRY
1801	CLP pH for Organics Extraction	6.48	6.36		1.87			

BATCH: 33351

LSG SAMPLE NO: H0247049

TEST	DETERMINATION	ORIGINAL RESULT	Duplicate RESULT	UNITS	RANGE / RPD	UNITS	MS RESULT	MS % RCVRY
1801	CLP pH for Organics Extraction	6.97	6.97		0.0			

**BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
VOLATILES DATA PACKAGE
ELL1, PKG2**

**PACE INCORPORATED
HOUSTON ANALYTICAL LABORATORY
SEPTEMBER 13, 1993**

VOLATILE CASE COMMENTS
BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
ELL1, PKG2
MATRIX: SOIL

1. Data calculation on Forms I through VIII were performed using Finnigan Formaster software (Version 3.2) for the 3/90 protocols. Occasional differences in rounding are encountered due to initial rounding of numerical data by Formaster. The effects of this rounding are considered minor and no serious errors in the final data are expected. The EPA views the use of Formaster software satisfactory for CLP type data package generation.
2. See enclosed list for definitions of flags.
3. The samples were analyzed within the hold time period for this package.
4. No tentatively identified compounds or raw-data were required by the client.
5. The matrix spike 02-SB18-B-A-MS (H246770MS) contained no acetone; however, due to inhomogeneity of the sample, the matrix spike duplicate (H246771MSD) did show to contain acetone. No further corrective action was taken.
6. In sample 02-SB16-B-A (H245835), the BFB surrogate failed due to matrix interference. When the sample was reanalyzed, the matrix effect was confirmed with BFB failing again. Due to the inhomogeneity of the sample, the first analysis revealed acetone at 200 ug and the second analysis was clean. Both Form 1's are included in the package.
7. Five laboratory control samples were run within this package. Refer to Form 3. Each was compared to the method blank run just prior to it to obtain spike recoveries. Laboratory control sample #3 (LCS3) failed the BFB surrogate. This LCS was run in conjunction with reanalysis for sample 02-SB16-B-A (H245835) to confirm matrix interference. Recoveries for the LCS were good and no further corrective action was taken.
8. Initially, five grams of sample 02-SB26-B-A (H247049) was analyzed and target analytes exceeded the calibration range, as signified by the "E" flag on Form 1. A one gram aliquot was analyzed (02-SB26-B-A-DL) and the target compounds were within calibration range. A "D" flag indicates the analyte was calculated from a dilution on Form 1. No further corrective action was taken and both Form 1's are included in the data package.
9. The laboratory control samples were spiked with more compounds than the usual matrix spike. Therefore, the Form 1's indicate results for these target compounds.

(from Statement of Work for Organics Analysis, Rev. 3/90)

A - This flag indicates that a TIC is a suspected aldol-condensation product.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag; instead use a laboratory-defined flag, discussed below.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and reanalyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, for example, a diluted analysis is not required for total xylenes unless the concentration of either peak separately exceeds 200 ug/L.

J - Indicates an estimate value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3 J. The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates the presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X.) The lower of the two values is reported on Form I and flagged with a "P."

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to

$$\frac{(330 \text{ U})}{D} \times df, \text{ where } D = \frac{100 - \% \text{ moisture}}{100} \text{ and } df = \text{dilution factor}$$

For example, at 24% moisture, $D = \frac{100 - 24}{100} = 0.76$

$$\frac{(330 \text{ U})}{0.76} \times 10 = 4300 \text{ U} \quad \text{rounded to the appropriate number of significant figures}$$

For soil samples subjected to GPC cleanup procedures, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the specified volume, this fact must be accounted for in reporting the sample quantitation limit.

X - Other specific flags may be required to properly define the results. If used, they must be fully described, and such description attached to the Sample Data Summary Package and the SDG Narrative. Begin by using "X." If more than one flag is required, use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags, as needed. For instance, the "X" flag might combine the "A," "B," and "D" flags for some sample. The laboratory-defined flags are limited to the letters "X," "Y," and "Z."

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

ELLINGTON AFB TRACKING CHART

CASE I.D.: ELL1
 SDG: PKG2
 MATRIX: SOIL

PACE NUMBER	CLIENT I.D.	DATE SXD	DATE RCVD
H245835	02-SB16-B-A	8/5	8/5
H245836	02-SB20-B-A		
H245837	02-SB20-B-A MS		
H245838	02-SB20-B-A MSD		
H245839	02-RB01-A-A		
H245840	02-FB01-A-A		
H245841	02-FB02-A-A		
H245842	02-TB01-A-A		
H245843	02-TB02-A-A		
H246038	02-SB18-B-A	8/6	8/6
H246039	02-RB02-A-A		
H246040	02-SB15-A-A		
H246041	02-SB15-B-A		
H246042	02-SB15-C-A		
H246043	02-FD15-C-A		
H246044	02-TB03-A-A		
H246697	02-SB19-A-A	8/11	8/11
H246698	02-RB03-A-A		
H246708	02-TB04-A		
H246770	02-SB18-B-A MS	8/6	8/6
H246771	02-SB18-B-A-MSD		
H247049	02-SB26-B-A	8/13	8/14
H247050	02-RB05-A-A		
H247051	02-TB06-A-A		

1000028

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02FB01AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245840

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139302

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

1000029

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02FB01AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245840

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139302

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000030

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02FB02AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245841

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139303

Level: (low/med) LDW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000031

SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02FB02AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245841

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08139303

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000032

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02RB01AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245839

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139301

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000033

SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

02RB01AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245839

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139301

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000034

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02RB02AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246039

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139306

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
74-87-3	Chloromethane	10
74-83-9	Bromomethane	10
75-01-4	Vinyl Chloride	10
75-00-3	Chloroethane	10
75-09-2	Methylene Chloride	6
67-64-1	Acetone	10
75-15-0	Carbon Disulfide	10
75-35-4	1,1-Dichloroethene	10
75-34-3	1,1-Dichloroethane	10
540-59-0	1,2-Dichloroethene (total)	10
67-66-3	Chloroform	10
107-06-2	1,2-Dichloroethane	10
78-93-3	2-Butanone	10
71-55-6	1,1,1-Trichloroethane	10
56-23-5	Carbon Tetrachloride	10
75-27-4	Bromodichloromethane	10
78-87-5	1,2-Dichloropropane	10
10061-01-5	cis-1,3-Dichloropropene	10
79-01-6	Trichloroethene	10
124-48-1	Dibromochloromethane	10
79-00-5	1,1,2-Trichloroethane	10
71-43-2	Benzene	10
10061-02-6	trans-1,3-Dichloropropene	10
75-25-2	Bromoform	10
108-10-1	4-Methyl-2-Pentanone	10
591-78-6	2-Hexanone	10
127-18-4	Tetrachloroethene	10
79-34-5	1,1,2,2-Tetrachloroethane	10
108-88-3	Toluene	10
108-90-7	Chlorobenzene	10
100-41-4	Ethylbenzene	10
100-42-5	Styrene	10
1330-20-7	Xylene (total)	10

1000035

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

O2RB02AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246039

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139306

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000036

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02RB05AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247050

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08179302

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec.

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	J
67-64-1	Acetone	31	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000037

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

02RB05AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247050

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08179302

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec.

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000038

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB16BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245835

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08149301

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec. 27

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	Acetone	270	
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1000039

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB16BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245835

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVPO8149301

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec. 27

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000040

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB16BARE

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245835RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP081593Q1

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec. 27

Date Analyzed: 08/15/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1000041

SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02SB16BARE

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245835RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08159301

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec. 27

Date Analyzed: 08/15/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000042

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB18BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246038

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139308

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: not dec. 21

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1000043

SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02SB18BA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246038

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08139308

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: not dec. 21

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000044

SAMPLE NO.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB19AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246697

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08149303

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec. 27

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	13	J
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1000045

SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

026B19AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246697

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08149303

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec. 27

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000046

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02RB03AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246698

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08149306

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec.

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	4	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

1000047

SAMPLE NO.

02RB03AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246698

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVPO8149306

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec.

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000048

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB20BA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245836

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08149302

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec. 25

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1000049

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

02SB20BA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245836

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08149302

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec. 25

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000050
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247049

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08179301

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec. 21

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	U
67-64-1	Acetone	370	E
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	47	
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	170	
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	43	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

1000051
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247049

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08179301

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec. 21

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
_____	_____	_____	_____	_____

1000052

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BADL

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247049DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: DVP08249301

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec. 21

Date Analyzed: 08/24/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	63	U
74-83-9	Bromomethane	63	U
75-01-4	Vinyl Chloride	63	U
75-00-3	Chloroethane	63	U
75-09-2	Methylene Chloride	63	U
67-64-1	Acetone	540	D
75-15-0	Carbon Disulfide	63	U
75-35-4	1,1-Dichloroethene	63	U
75-34-3	1,1-Dichloroethane	63	U
540-59-0	1,2-Dichloroethene (total)	63	U
67-66-3	Chloroform	63	U
107-06-2	1,2-Dichloroethane	63	U
78-93-3	2-Butanone	65	D
71-55-6	1,1,1-Trichloroethane	63	U
56-23-5	Carbon Tetrachloride	63	U
75-27-4	Bromodichloromethane	63	U
78-87-5	1,2-Dichloropropane	63	U
10061-01-5	cis-1,3-Dichloropropene	63	U
79-01-6	Trichloroethene	63	U
124-48-1	Dibromochloromethane	63	U
79-00-5	1,1,2-Trichloroethane	63	U
71-43-2	Benzene	63	U
10061-02-6	trans-1,3-Dichloropropene	63	U
75-25-2	Bromoform	63	U
108-10-1	4-Methyl-2-Pentanone	63	U
591-78-6	2-Hexanone	63	U
127-18-4	Tetrachloroethene	63	U
79-34-5	1,1,2,2-Tetrachloroethane	63	U
108-88-3	Toluene	63	U
108-90-7	Chlorobenzene	63	U
100-41-4	Ethylbenzene	79	D
100-42-5	Styrene	63	U
1330-20-7	Xylene (total)	63	U

1000053

SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02SB26BADL

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247049DL

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: DVP08249301

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec. 21

Date Analyzed: 08/24/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 5.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000054

SAMPLE NO.

02TB01AA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245842

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139304

Level: (low/med) LDW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

1000055
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02TB01AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245842

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08139304

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000056
SAMPLE NO.

02TB02AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245843

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVP08139305

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

1000057

SAMPLE NO.

02TB02AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245843

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139305

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000058

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02TB03AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246044

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139307

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000059

SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

02TB03AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246044

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139307

Level: (low/med) LDW

Date Received: 08/06/93

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
_____	_____	_____	_____	_____

1000060

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

O2TB04A

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246708

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08149307

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec.

Date Analyzed: 08/15/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000061

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

02TB04A

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246708

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08149307

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: not dec.

Date Analyzed: 08/15/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
_____	_____	_____	_____	_____

1000062

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02TB06AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247051

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08179303

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec.

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

1000063

SAMPLE NO.

02TB06AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SDIL

Lab Sample ID: H247051

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08179303

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: not dec.

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000071

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKOM

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKOM

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVB08139301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000072

SAMPLE NO.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

VBLKOM

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKOM

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVB08139301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000073

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

VBKOP

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: VBKOP

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVB08149301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000074

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

VBLKOP

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKOP

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVB08149301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000075

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

VBLK00

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBLK00

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVB08159301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/15/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000076
SAMPLE NO.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

VBK00

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBK00

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: QVB08159301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/15/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000077

SAMPLE NO.

VBLKOS

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKOS

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVB08179301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1000078

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

VBLK05

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBLK05

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVB08179301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

1000079

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

VBLKOW

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKOW

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVB08249301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/24/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	3	J
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

1000080

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

VBLKOW

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: VBLKOW

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVB08249301

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/24/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1000081

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB18BAMS

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246770MS

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139309

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: not dec. 21

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1000082

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB18BAMSD

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246771MSD

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVP08139310

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: not dec. 21

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	U
67-64-1	Acetone	57	
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1000083

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

LCS1

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: LCS1

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVT08139303

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/13/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	39	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	42	
540-59-0	1,2-Dichloroethene (total)	36	
67-66-3	Chloroform	44	
107-06-2	1,2-Dichloroethane	43	
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon Tetrachloride	40	
75-27-4	Bromodichloromethane	50	
78-87-5	1,2-Dichloropropane	41	
10061-01-5	cis-1,3-Dichloropropene	44	
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	43	
79-00-5	1,1,2-Trichloroethane	44	
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	46	
75-25-2	Bromoform	53	
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	3	J
127-18-4	Tetrachloroethene	35	
79-34-5	1,1,2,2-Tetrachloroethane	53	
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	46	
100-42-5	Styrene	0.7	J
1330-20-7	Xylene (total)	33	

1000084

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

LCS2

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: LCS2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVT08149302

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/14/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	53	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	52	
540-59-0	1,2-Dichloroethene (total)	55	
67-66-3	Chloroform	50	
107-06-2	1,2-Dichloroethane	57	
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	55	
56-23-5	Carbon Tetrachloride	49	
75-27-4	Bromodichloromethane	56	
78-87-5	1,2-Dichloropropane	48	
10061-01-5	cis-1,3-Dichloropropene	54	
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	26	
79-00-5	1,1,2-Trichloroethane	50	
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	54	
75-25-2	Bromoform	65	
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	2	J
127-18-4	Tetrachloroethene	50	
79-34-5	1,1,2,2-Tetrachloroethane	63	
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	55	
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	40	

1000085

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

LCS3

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: LCS3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVT08159303

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/15/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	59	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	50	
540-59-0	1,2-Dichloroethene (total)	56	
67-66-3	Chloroform	47	
107-06-2	1,2-Dichloroethane	52	
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	50	
56-23-5	Carbon Tetrachloride	45	
75-27-4	Bromodichloromethane	52	
78-87-5	1,2-Dichloropropane	46	
10061-01-5	cis-1,3-Dichloropropene	52	
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	50	
79-00-5	1,1,2-Trichloroethane	49	
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	50	
75-25-2	Bromoform	71	
108-10-1	4-Methyl-2-Pentanone	4	J
591-78-6	2-Hexanone	5	J
127-18-4	Tetrachloroethene	50	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	54	
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	40	

1000086

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

LCS4

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: LCS4

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: DVT08179303

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/17/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	51	
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	53	
540-59-0	1,2-Dichloroethene (total)	56	
67-66-3	Chloroform	52	
107-06-2	1,2-Dichloroethane	59	
78-93-3	2-Butanone	1	J
71-55-6	1,1,1-Trichloroethane	57	
56-23-5	Carbon Tetrachloride	52	
75-27-4	Bromodichloromethane	59	
78-87-5	1,2-Dichloropropane	54	
10061-01-5	cis-1,3-Dichloropropene	57	
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	54	
79-00-5	1,1,2-Trichloroethane	51	
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	57	
75-25-2	Bromoform	59	
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	3	J
127-18-4	Tetrachloroethene	50	
79-34-5	1,1,2,2-Tetrachloroethane	60	
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	61	
100-42-5	Styrene	0.6	J
1330-20-7	Xylene (total)	44	

1000087

SAMPLE NO.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS5

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: LCS5

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: OVT08249302

Level: (low/med) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 08/24/93

GC Column: CAP ID: 0.530 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	42	
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	44	
540-59-0-----	1,2-Dichloroethene (total)	43	
67-66-3-----	Chloroform	42	
107-06-2-----	1,2-Dichloroethane	42	
78-93-3-----	2-Butanone	1	J
71-55-6-----	1,1,1-Trichloroethane	42	
56-23-5-----	Carbon Tetrachloride	41	
75-27-4-----	Bromodichloromethane	42	
78-87-5-----	1,2-Dichloropropane	40	
10061-01-5-----	cis-1,3-Dichloropropene	41	
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	37	
79-00-5-----	1,1,2-Trichloroethane	39	
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	39	
75-25-2-----	Bromoform	41	
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	3	J
127-18-4-----	Tetrachloroethene	37	
79-34-5-----	1,1,2,2-Tetrachloroethane	40	B
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	45	
100-42-5-----	Styrene	0.5	J
1330-20-7-----	Xylene (total)	32	

**BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
SEMIVOLATILES DATA PACKAGE
ELL1, PKG2**

**PACE INCORPORATED
HOUSTON ANALYTICAL LABORATORY
SEPTEMBER 13, 1993**

SEMIVOLATILE CASE COMMENTS
BROWN & ROOT ENVIRONMENTAL
ELLINGTON AFB PROJECT
ELL1, PKG2
MATRIX: SOIL

1. Data calculation on Forms I through VIII were performed using Finnigan Formaster software (Version 3.2) for the 3/90 protocols. Occasional differences in rounding are encountered due to initial rounding of numerical data by Formaster. The effects of this rounding are considered minor and no serious errors in the final data are expected. The EPA views the use of Formaster software satisfactory for CLP type data package generation.
2. See enclosed list for definitions of flags.
3. The samples were extracted and analyzed within the hold time period for this package.
4. No tentatively identified compounds or raw-data were required by the client.
5. Surrogate recoveries failed for the following samples and blanks: 02-FB01-A-A (H245840), 02-SB19-A-A (H246697), 02-SB26-B-A (H247049), 02-SB20-B-A-MSD (H245838 MSD), SBLKSJ, SBLKSK. Sample 02-FB01-A-A was reextracted and reanalyzed; however the surrogates were spiked at twice the amount. No target compounds were detected and no further corrective action was taken. The reextract for sample 02-SB19-A-A passed surrogate recoveries and no further corrective action was taken. The reextract of sample 02-SB26-B-A passed surrogate recoveries and no further corrective action was taken. The matrix spike duplicate was not reextracted and it was not reanalyzed due to 3/90 protocols regarding spiked samples. The blanks, SBLKSJ and SBLKSK, were reextracted in conjunction with samples 02-SB-26-B-A and 02-SB19-A-A, respectively. They were spiked at twice the amount; however, since the samples did not contain target compounds of interest, no further corrective action was taken. All Form 1's are included in the package.
6. The matrix spike (02-SB20-B-A-MS, H245837MS) recoveries were outside the control limits. No corrective action was taken since a laboratory control sample (LCS) had been analyzed with recoveries compared against the extraction blank SBLKSB (H246507). Refer to Form 3.
7. On Form 8, the internal standard Acenaphthene-d10 was out of the QC limits for the laboratory control sample.

(from Statement of Work for Organics Analysis, Rev. 3/90)

- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.
- C - This flag applies to pesticide results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag; instead use a laboratory-defined flag, discussed below.
- D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.
- E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and reanalyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, for example, a diluted analysis is not required for total xylenes unless the concentration of either peak separately exceeds 200 ug/L.
- J - Indicates an estimate value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero. For example, if the sample quantitation limit is 10 ug/L, but a concentration of 3 ug/L is calculated, report it as 3 J. The sample quantitation limit must be adjusted for dilution as discussed for the U flag.
- N - Indicates the presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.
- P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X.) The lower of the two values is reported on Form I and flagged with a "p."
- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to
- $$\frac{(330 \text{ U})}{D} \times df, \text{ where } D = \frac{100 - \% \text{ moisture}}{100} \text{ and } df = \text{dilution factor}$$
- For example, at 24% moisture, $D = \frac{100 - 24}{100} = 0.76$
- $$\frac{(330 \text{ U})}{0.76} \times 10 = 4300 \text{ U} \quad \text{rounded to the appropriate number of significant figures}$$
- For soil samples subjected to GPC cleanup procedures, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the specified volume, this fact must be accounted for in reporting the sample quantitation limit.
- X - Other specific flags may be required to properly define the results. If used, they must be fully described, and such description attached to the Sample Data Summary Package and the SDG Narrative. Begin by using "X." If more than one flag is required, use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags, as needed. For instance, the "X" flag might combine the "A," "B," and "D" flags for some sample. The laboratory-defined flags are limited to the letters "X," "Y," and "Z."
- The combination of flags "EU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

2000002

ELLINGTON AFB TRACKING CHART

CASE I.D.: ELL1
SDG: PKG2
MATRIX: SOIL

PACE NUMBER	CLIENT I.D.	DATE SXD	DATE RCVD
H245835	02-SB16-B-A	8/5	8/5
H245836	02-SB20-B-A		
H245837	02-SB20-B-A MS		
H245838	02-SB20-B-A MSD		
H245839	02-RB01-A-A		
H245840	02-FB01-A-A		
H245841	02-FB02-A-A		
H245842	02-TB01-A-A		
H245843	02-TB02-A-A		
H246038	02-SB18-B-A	8/6	8/6
H246039	02-RB02-A-A		
H246040	02-SB15-A-A		
H246041	02-SB15-B-A		
H246042	02-SB15-C-A		
H246043	02-FD15-C-A		
H246044	02-TB03-A-A		
H246697	02-SB19-A-A	8/11	8/11
H246698	02-RB03-A-A		
H246708	02-TB04-A		
H246770	02-SB18-B-A MS	8/6	8/6
H246771	02-SB18-B-A-MSD		
H247049	02-SB26-B-A	8/13	8/14
H247050	02-RB05-A-A		
H247051	02-TB06-A-A		

2000028

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02FB01AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245840

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239303

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U

2000029

SAMPLE NO.

10
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

02FB01AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245840

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239303

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

G

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000030

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02FB01AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245840

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239303

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

FORM I SV-TIC

2000031

1B

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: FACE INC.

Contract: ELLINGTON

02FB01AARE

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245840RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08309301

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/27/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/30/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U

2000032

SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

02FB01AARE

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245840RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08309301

Level: (low/med) LDW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/27/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/30/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

2000033
SAMPLE NO.

02FB01AARE

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245840RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08309301

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/27/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/30/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	0
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000034

SAMPLE NO.

02FB02AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SDIL

Lab Sample ID: H245841

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209308

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U

2000035

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02FB02AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245841

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209308

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-10-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000036

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

02FB02AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245841

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209308

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.4

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000037
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02RB01AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245839

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209306

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl)Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	29	J
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000038
SAMPLE NO.

02RB01AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245839

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209306

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1600 IU
100-02-7-----	4-Nitrophenol	1600 IU
132-64-9-----	Dibenzofuran	330 IU
121-14-2-----	2,4-Dinitrotoluene	330 IU
84-66-2-----	Diethylphthalate	330 IU
7005-72-3-----	4-Chlorophenyl-phenylether	330 IU
86-73-7-----	Fluorene	330 IU
100-10-6-----	4-Nitroaniline	1600 IU
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600 IU
86-30-6-----	N-Nitrosodiphenylamine (1)	330 IU
101-55-3-----	4-Bromophenyl-phenylether	330 IU
118-74-1-----	Hexachlorobenzene	330 IU
87-86-5-----	Pentachlorophenol	1600 IU
85-01-8-----	Phenanthrene	330 IU
120-12-7-----	Anthracene	330 IU
86-74-8-----	Carbazole	330 IU
84-74-2-----	Di-n-Butylphthalate	330 IU
206-44-0-----	Fluoranthene	330 IU
129-00-0-----	Pyrene	81 IU
85-68-7-----	Butylbenzylphthalate	330 IU
91-94-1-----	3,3'-Dichlorobenzidine	660 IU
56-55-3-----	Benzo(a)Anthracene	330 IU
218-01-9-----	Chrysene	330 IU
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330 IU
117-84-0-----	Di-n-Octyl Phthalate	330 IU
205-99-2-----	Benzo(b)Fluoranthene	330 IU
207-08-9-----	Benzo(k)Fluoranthene	330 IU
50-32-8-----	Benzo(a)Pyrene	330 IU
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330 IU
53-70-3-----	Dibenz(a,h)Anthracene	330 IU
191-24-2-----	Benzo(g,h,i)Perylene	330 IU

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

2000039
SAMPLE NO.

02RB01AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245839

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209306

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000040

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02RB02AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246039

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209310

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl)Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000041
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02RBO2AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246039

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209310

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000042

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

02RB02AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246039

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209310

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 5.7

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000043

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02RB03AA

Case No.: ELL1

SDS No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246698

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239302

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U

FORM I SV-1

2000044

SAMPLE NO.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02RB03AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246698

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239302

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000045

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02RB03AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246698

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239302

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02RB05AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247050

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239307

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U

2000047

SAMPLE NO.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

02RB05AA

Lab Name: PADE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247050

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239307

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol_____	1600	1U
100-02-7-----	4-Nitrophenol_____	1600	1U
132-64-9-----	Dibenzofuran_____	330	1U
121-14-2-----	2,4-Dinitrotoluene_____	330	1U
84-66-2-----	Diethylphthalate_____	330	1U
7005-72-3-----	4-Chlorophenyl-phenylether____	330	1U
86-73-7-----	Fluorene_____	330	1U
100-10-6-----	4-Nitroaniline_____	1600	1U
534-52-1-----	4,6-Dinitro-2-Methylphenol____	1600	1U
86-30-6-----	N-Nitrosodiphenylamine (1)____	330	1U
101-55-3-----	4-Bromophenyl-phenylether____	330	1U
118-74-1-----	Hexachlorobenzene_____	330	1U
87-86-5-----	Pentachlorophenol_____	1600	1U
85-01-8-----	Phenanthrene_____	330	1U
120-12-7-----	Anthracene_____	330	1U
86-74-8-----	Carbazole_____	330	1U
84-74-2-----	Di-n-Butylphthalate_____	330	1U
206-44-0-----	Fluoranthene_____	330	1U
129-00-0-----	Pyrene_____	330	1U
85-68-7-----	Butylbenzylphthalate_____	330	1U
91-94-1-----	3,3'-Dichlorobenzidine_____	660	1U
56-55-3-----	Benzo(a)Anthracene_____	330	1U
218-01-9-----	Chrysene_____	330	1U
117-81-7-----	bis(2-Ethylhexyl)Phthalate____	330	1U
117-84-0-----	Di-n-Octyl Phthalate_____	330	1U
205-99-2-----	Benzo(b)Fluoranthene_____	330	1U
207-08-9-----	Benzo(k)Fluoranthene_____	330	1U
50-32-8-----	Benzo(a)Pyrene_____	330	1U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	330	1U
53-70-3-----	Dibenz(a,h)Anthracene_____	330	1U
191-24-2-----	Benzo(g,h,i)Perylene_____	330	1U

(1) - Cannot be separated from Diphenylamine

2000048

1F

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02RB05AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247050

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239307

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.2

CONCENTRATION UNITS:

Number TICs found: 0

(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000049

SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB16BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245835

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209302

Level: (low/med) LDW

Date Received: 08/05/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG 0

CAS NO.	COMPOUND		
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	450	U

FORM I SV-1

2000050

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB16BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245835

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209302

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	2200	U
100-02-7-----	4-Nitrophenol	2200	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-10-6-----	4-Nitroaniline	2200	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	2200	U
85-01-8-----	Phenanthrene	450	U
120-12-7-----	Anthracene	450	U
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	450	U
129-00-0-----	Pyrene	73	J
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	900	U
56-55-3-----	Benzo(a)Anthracene	450	U
218-01-9-----	Chrysene	450	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	450	U
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b)Fluoranthene	450	U
207-08-9-----	Benzo(k)Fluoranthene	450	U
50-32-8-----	Benzo(a)Pyrene	450	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	450	U
53-70-3-----	Dibenz(a,h)Anthracene	450	U
191-24-2-----	Benzo(g,h,i)Perylene	450	U

(1) - Cannot be separated from Diphenylamine

2000051

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02SB16BA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245835

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209302

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
-----	-----	-----	-----	-----

2000052

SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB18BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246038

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209309

Level: (low/med) LDW

Date Received: 08/06/93

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl)Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
111-91-1-----	bis(2-Chloroethoxy)Methane	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	46	J
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-Methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethyl Phthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U
99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	420	U

2000053

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB18BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246038

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209309

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-10-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenyl-phenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	420	U
120-12-7-----	Anthracene	420	U
86-74-8-----	Carbazole	420	U
84-74-2-----	Di-n-Butylphthalate	420	U
206-44-0-----	Fluoranthene	420	U
129-00-0-----	Pyrene	150	J
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	840	U
56-55-3-----	Benzo(a)Anthracene	420	U
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0-----	Di-n-Octyl Phthalate	420	U
205-99-2-----	Benzo(b)Fluoranthene	420	U
207-08-9-----	Benzo(k)Fluoranthene	420	U
50-32-8-----	Benzo(a)Pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3-----	Dibenz(a,h)Anthracene	420	U
191-24-2-----	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

2000054

SAMPLE NO. .

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

02SB18BA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246038

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209309

Level: (low/med) LOW

Date Received: 08/06/93

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.8

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

FORM I SV-TIC

2000055

SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB19AA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246697

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239301

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	450	U
111-44-4-----	bis(2-Chloroethyl)Ether	450	U
95-57-8-----	2-Chlorophenol	450	U
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	450	U
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	450	U
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethylphenol	450	U
111-91-1-----	bis(2-Chloroethoxy)Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	450	U
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	450	U
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	2200	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	2200	U
131-11-3-----	Dimethyl Phthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	2200	U
83-32-9-----	Acenaphthene	450	U

2000056

SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB19AA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246697

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239301

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol_____	2200	1U
100-02-7-----	4-Nitrophenol_____	2200	1U
132-64-9-----	Dibenzofuran_____	450	1U
121-14-2-----	2,4-Dinitrotoluene_____	450	1U
84-66-2-----	Diethylphthalate_____	450	1U
7005-72-3-----	4-Chlorophenyl-phenylether_____	450	1U
86-73-7-----	Fluorene_____	450	1U
100-10-6-----	4-Nitroaniline_____	2200	1U
534-52-1-----	4,6-Dinitro-2-Methylphenol_____	2200	1U
86-30-6-----	N-Nitrosodiphenylamine (1)_____	450	1U
101-55-3-----	4-Bromophenyl-phenylether_____	450	1U
118-74-1-----	Hexachlorobenzene_____	450	1U
87-86-5-----	Pentachlorophenol_____	2200	1U
85-01-8-----	Phenanthrene_____	450	1U
120-12-7-----	Anthracene_____	450	1U
86-74-8-----	Carbazole_____	450	1U
84-74-2-----	Di-n-Butylphthalate_____	450	1U
206-44-0-----	Fluoranthene_____	450	1U
129-00-0-----	Pyrene_____	450	1U
85-68-7-----	Butylbenzylphthalate_____	450	1U
91-94-1-----	3,3'-Dichlorobenzidine_____	900	1U
56-55-3-----	Benzo(a)Anthracene_____	450	1U
218-01-9-----	Chrysene_____	450	1U
117-81-7-----	bis(2-Ethylhexyl)Phthalate_____	450	1U
117-84-0-----	Di-n-Octyl Phthalate_____	450	1U
205-99-2-----	Benzo(b)Fluoranthene_____	450	1U
207-08-9-----	Benzo(k)Fluoranthene_____	450	1U
50-32-8-----	Benzo(a)Pyrene_____	450	1U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	450	1U
53-70-3-----	Dibenz(a,h)Anthracene_____	450	1U
191-24-2-----	Benzo(g,h,i)Perylene_____	450	1U

(1) - Cannot be separated from Diphenylamine

2000057

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

02SB19AA

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246697

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239301

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000058

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB19AARE

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246697RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08279303

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	450	U

2000059

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB19AARE

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246697RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08279303

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol_____	2200	1U
100-02-7-----	4-Nitrophenol_____	2200	1U
132-64-9-----	Dibenzofuran_____	450	1U
121-14-2-----	2,4-Dinitrotoluene_____	450	1U
84-66-2-----	Diethylphthalate_____	450	1U
7005-72-3-----	4-Chlorophenyl-phenylether_____	450	1U
86-73-7-----	Fluorene_____	450	1U
100-10-6-----	4-Nitroaniline_____	2200	1U
534-52-1-----	4,6-Dinitro-2-Methylphenol_____	2200	1U
86-30-6-----	N-Nitrosodiphenylamine (1)_____	450	1U
101-55-3-----	4-Bromophenyl-phenylether_____	450	1U
118-74-1-----	Hexachlorobenzene_____	450	1U
87-86-5-----	Pentachlorophenol_____	2200	1U
85-01-8-----	Phenanthrene_____	450	1U
120-12-7-----	Anthracene_____	450	1U
86-74-8-----	Carbazole_____	450	1U
84-74-2-----	Di-n-Butylphthalate_____	450	1U
206-44-0-----	Fluoranthene_____	450	1U
129-00-0-----	Pyrene_____	450	1U
85-68-7-----	Butylbenzylphthalate_____	450	1U
91-94-1-----	3,3'-Dichlorobenzidine_____	900	1U
56-55-3-----	Benzo(a)Anthracene_____	450	1U
218-01-9-----	Chrysene_____	450	1U
117-81-7-----	bis(2-Ethylhexyl)Phthalate_____	450	1U
117-84-0-----	Di-n-Octyl Phthalate_____	450	1U
205-99-2-----	Benzo(b)Fluoranthene_____	450	1U
207-08-9-----	Benzo(k)Fluoranthene_____	450	1U
50-32-8-----	Benzo(a)Pyrene_____	450	1U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	450	1U
53-70-3-----	Dibenz(a,h)Anthracene_____	450	1U
191-24-2-----	Benzo(g,h,i)Perylene_____	450	1U

(1) - Cannot be separated from Diphenylamine

2000060

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB19AARE

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246697RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08279303

Level: (low/med) LOW

Date Received: 08/11/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000061

SAMPLE NO.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

025B20BA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245836

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209303

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
108-95-2	Phenol	440 IU
111-44-4	bis(2-Chloroethyl)Ether	440 IU
95-57-8	2-Chlorophenol	440 IU
541-73-1	1,3-Dichlorobenzene	440 IU
106-46-7	1,4-Dichlorobenzene	440 IU
95-50-1	1,2-Dichlorobenzene	440 IU
95-48-7	2-Methylphenol	440 IU
108-60-1	2,2'-oxybis(1-Chloropropane)	440 IU
106-44-5	4-Methylphenol	440 IU
621-64-7	N-Nitroso-Di-n-Propylamine	440 IU
67-72-1	Hexachloroethane	440 IU
98-95-3	Nitrobenzene	440 IU
78-59-1	Isophorone	440 IU
88-75-5	2-Nitrophenol	440 IU
105-67-9	2,4-Dimethylphenol	440 IU
111-91-1	bis(2-Chloroethoxy)Methane	440 IU
120-83-2	2,4-Dichlorophenol	440 IU
120-82-1	1,2,4-Trichlorobenzene	440 IU
91-20-3	Naphthalene	440 IU
106-47-8	4-Chloroaniline	440 IU
87-68-3	Hexachlorobutadiene	440 IU
59-50-7	4-Chloro-3-Methylphenol	440 IU
91-57-6	2-Methylnaphthalene	440 IU
77-47-4	Hexachlorocyclopentadiene	440 IU
88-06-2	2,4,6-Trichlorophenol	440 IU
95-95-4	2,4,5-Trichlorophenol	2100 IU
91-58-7	2-Chloronaphthalene	440 IU
88-74-4	2-Nitroaniline	2100 IU
131-11-3	Dimethyl Phthalate	440 IU
208-96-8	Acenaphthylene	440 IU
606-20-2	2,6-Dinitrotoluene	440 IU
99-09-2	3-Nitroaniline	2100 IU
83-32-9	Acenaphthene	440 IU

2000062

SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB20BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245836

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209303

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.6

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

G

CAS NO.	COMPOUND		
51-28-5-----	2,4-Dinitrophenol_____	2100	U
100-02-7-----	4-Nitrophenol_____	2100	U
132-64-9-----	Dibenzofuran_____	440	U
121-14-2-----	2,4-Dinitrotoluene_____	440	U
84-66-2-----	Diethylphthalate_____	440	U
7005-72-3-----	4-Chlorophenyl-phenylether____	440	U
86-73-7-----	Fluorene_____	440	U
100-10-6-----	4-Nitroaniline_____	2100	U
534-52-1-----	4,6-Dinitro-2-Methylphenol____	2100	U
86-30-6-----	N-Nitrosodiphenylamine (1)____	440	U
101-55-3-----	4-Bromophenyl-phenylether____	440	U
118-74-1-----	Hexachlorobenzene_____	440	U
87-86-5-----	Pentachlorophenol_____	2100	U
85-01-8-----	Phenanthrene_____	440	U
120-12-7-----	Anthracene_____	440	U
86-74-8-----	Carbazole_____	440	U
84-74-2-----	Di-n-Butylphthalate_____	440	U
206-44-0-----	Fluoranthene_____	440	U
129-00-0-----	Pyrene_____	440	U
85-68-7-----	Butylbenzylphthalate_____	440	U
91-94-1-----	3,3'-Dichlorobenzidine_____	880	U
56-55-3-----	Benzo(a)Anthracene_____	440	U
218-01-9-----	Chrysene_____	440	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate____	440	U
117-84-0-----	Di-n-Octyl Phthalate_____	440	U
205-99-2-----	Benzo(b)Fluoranthene_____	440	U
207-08-9-----	Benzo(k)Fluoranthene_____	440	U
50-32-8-----	Benzo(a)Pyrene_____	440	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	440	U
53-70-3-----	Dibenz(a,h)Anthracene_____	440	U
191-24-2-----	Benzo(g,h,i)Perylene_____	440	U

(1) - Cannot be separated from Diphenylamine

2000063

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: PACE INC.

Contract: ELLINGTON

02SB20BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245836

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209303

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 25 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000064

SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247049

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239306

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND		
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	450	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000065
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BA

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247049

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239306

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol_____	2200	U
100-02-7-----	4-Nitrophenol_____	2200	U
132-64-9-----	Dibenzofuran_____	450	U
121-14-2-----	2,4-Dinitrotoluene_____	450	U
84-66-2-----	Diethylphthalate_____	450	U
7005-72-3-----	4-Chlorophenyl-phenylether____	450	U
86-73-7-----	Fluorene_____	450	U
100-10-6-----	4-Nitroaniline_____	2200	U
534-52-1-----	4,6-Dinitro-2-Methylphenol____	2200	U
86-30-6-----	N-Nitrosodiphenylamine (1)____	450	U
101-55-3-----	4-Bromophenyl-phenylether____	450	U
118-74-1-----	Hexachlorobenzene_____	450	U
87-86-5-----	Pentachlorophenol_____	2200	U
85-01-8-----	Phenanthrene_____	450	U
120-12-7-----	Anthracene_____	450	U
86-74-8-----	Carbazole_____	450	U
84-74-2-----	Di-n-Butylphthalate_____	450	U
206-44-0-----	Fluoranthene_____	450	U
129-00-0-----	Pyrene_____	450	U
85-68-7-----	Butylbenzylphthalate_____	450	U
91-94-1-----	3,3'-Dichlorobenzidine_____	900	U
56-55-3-----	Benzo(a)Anthracene_____	450	U
218-01-9-----	Chrysene_____	450	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate____	450	U
117-84-0-----	Di-n-Octyl Phthalate_____	450	U
205-99-2-----	Benzo(b)Fluoranthene_____	450	U
207-08-9-----	Benzo(k)Fluoranthene_____	450	U
50-32-8-----	Benzo(a)Pyrene_____	450	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	450	U
53-70-3-----	Dibenz(a,h)Anthracene_____	450	U
191-24-2-----	Benzo(g,h,i)Perylene_____	450	U

(1) - Cannot be separated from Diphenylamine

2000066

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

029B26BA

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247049

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08239306

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
-----	-----	-----	-----	-----

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2000067
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BARE

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247049RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08279302

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	450	U
111-44-4-----	bis(2-Chloroethyl)Ether	450	U
95-57-8-----	2-Chlorophenol	450	U
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	450	U
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	450	U
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethylphenol	450	U
111-91-1-----	bis(2-Chloroethoxy)Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	450	U
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	450	U
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	2200	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	2200	U
131-11-3-----	Dimethyl Phthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	2200	U
83-32-9-----	Acenaphthene	450	U

2000068

SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BARE

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H247049RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08279302

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	2200	U
100-02-7-----	4-Nitrophenol	2200	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-10-6-----	4-Nitroaniline	2200	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	2200	U
85-01-8-----	Phenanthrene	450	U
120-12-7-----	Anthracene	450	U
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	450	U
129-00-0-----	Pyrene	450	U
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	900	U
56-55-3-----	Benzo(a)Anthracene	450	U
218-01-9-----	Chrysene	450	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	450	U
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b)Fluoranthene	450	U
207-08-9-----	Benzo(k)Fluoranthene	450	U
50-32-8-----	Benzo(a)Pyrene	450	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	450	U
53-70-3-----	Dibenz(a,h)Anthracene	450	U
191-24-2-----	Benzo(g,h,i)Perylene	450	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

2000069
SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

02SB26BARE

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247049RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08279302

Level: (low/med) LOW

Date Received: 08/14/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000086

SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKSB

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246507

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08209302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	330	1U
111-44-4-----	bis(2-Chloroethyl)Ether	330	1U
95-57-8-----	2-Chlorophenol	330	1U
541-73-1-----	1,3-Dichlorobenzene	330	1U
106-46-7-----	1,4-Dichlorobenzene	330	1U
95-50-1-----	1,2-Dichlorobenzene	330	1U
95-48-7-----	2-Methylphenol	330	1U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	1U
106-44-5-----	4-Methylphenol	330	1U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	1U
67-72-1-----	Hexachloroethane	330	1U
98-95-3-----	Nitrobenzene	330	1U
78-59-1-----	Isophorone	330	1U
88-75-5-----	2-Nitrophenol	330	1U
105-67-9-----	2,4-Dimethylphenol	330	1U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	1U
120-83-2-----	2,4-Dichlorophenol	330	1U
120-82-1-----	1,2,4-Trichlorobenzene	330	1U
91-20-3-----	Naphthalene	330	1U
106-47-8-----	4-Chloroaniline	330	1U
87-68-3-----	Hexachlorobutadiene	330	1U
59-50-7-----	4-Chloro-3-Methylphenol	330	1U
91-57-6-----	2-Methylnaphthalene	330	1U
77-47-4-----	Hexachlorocyclopentadiene	330	1U
88-06-2-----	2,4,6-Trichlorophenol	330	1U
95-95-4-----	2,4,5-Trichlorophenol	1600	1U
91-58-7-----	2-Chloronaphthalene	330	1U
88-74-4-----	2-Nitroaniline	1600	1U
131-11-3-----	Dimethyl Phthalate	330	1U
208-96-8-----	Acenaphthylene	330	1U
606-20-2-----	2,6-Dinitrotoluene	330	1U
99-09-2-----	3-Nitroaniline	1600	1U
83-32-9-----	Acenaphthene	330	1U

2000087

SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKSE

Lab Name: FACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246507

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08209302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000088

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKSB

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246507

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08209302

Level: (low/med) LDW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000089

1B

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

SBLKSC

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H249014

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08239301

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl)Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U

FORM I SV-1

2000090

SAMPLE NO.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKSC

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H249014

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08239301

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol_____	1600	U
100-02-7-----	4-Nitrophenol_____	1600	U
132-64-9-----	Dibenzofuran_____	330	U
121-14-2-----	2,4-Dinitrotoluene_____	330	U
84-66-2-----	Diethylphthalate_____	330	U
7005-72-3-----	4-Chlorophenyl-phenylether_____	330	U
86-73-7-----	Fluorene_____	330	U
100-10-6-----	4-Nitroaniline_____	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol_____	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)_____	330	U
101-55-3-----	4-Bromophenyl-phenylether_____	330	U
118-74-1-----	Hexachlorobenzene_____	330	U
87-86-5-----	Pentachlorophenol_____	1600	U
85-01-8-----	Phenanthrene_____	330	U
120-12-7-----	Anthracene_____	330	U
86-74-8-----	Carbazole_____	330	U
84-74-2-----	Di-n-Butylphthalate_____	330	U
206-44-0-----	Fluoranthene_____	330	U
129-00-0-----	Pyrene_____	330	U
85-68-7-----	Butylbenzylphthalate_____	330	U
91-94-1-----	3,3'-Dichlorobenzidine_____	660	U
56-55-3-----	Benzo(a)Anthracene_____	330	U
218-01-9-----	Chrysene_____	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate_____	330	U
117-84-0-----	Di-n-Octyl Phthalate_____	330	U
205-99-2-----	Benzo(b)Fluoranthene_____	330	U
207-08-9-----	Benzo(k)Fluoranthene_____	330	U
50-32-8-----	Benzo(a)Pyrene_____	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	330	U
53-70-3-----	Dibenz(a,h)Anthracene_____	330	U
191-24-2-----	Benzo(g,h,i)Perylene_____	330	U

(1) - Cannot be separated from Diphenylamine

2000091

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

SBLKSC

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H249014

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08239301

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/17/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/23/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000092

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

SBLKSI

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247657

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08259302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/25/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl)Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U

FORM I SV-1

2000093

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

SBLKSI

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247657

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08259302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/25/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000094

SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKSI

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H247657

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08259302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/12/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/25/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

FORM I SV-TIC

2000095

SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

SBLKSJ

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H249014RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08279301

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl)Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLKSJ

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H249014RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08279301

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000097

1F

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKSJ

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H249014RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08279301

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/25/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

FORM I SV-TIC

2000098

SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

SBLKSK

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H246507RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08279302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/27/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl)Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U

FORM I SV-1

2000099

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: PACE INC.

Contract: ELLINGTON

SBLKSK

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246507RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08279302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/27/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	1600	U
100-02-7-----	4-Nitrophenol	1600	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-10-6-----	4-Nitroaniline	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	660	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

2000100

1F

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKSK

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246507RE.

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBB08279302

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 08/27/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/27/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

2000101

1B

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE INC.

Contract: ELLINGTON

02SB20BAMS

Case No.: ELL1

SDG No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245837MS

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209304

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.6

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	450	U
111-44-4-----	bis(2-Chloroethyl)Ether	450	U
95-57-8-----	2-Chlorophenol	450	U
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	450	U
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	450	U
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethylphenol	450	U
111-91-1-----	bis(2-Chloroethoxy)Methane	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	450	U
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-Methylphenol	450	U
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	2200	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	2200	U
131-11-3-----	Dimethyl Phthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	2200	U
83-32-9-----	Acenaphthene	450	U

2000102

SAMPLE NO.

10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

02SB20BAMS

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245837MS

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209304

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.6

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	2200	U
100-02-7-----	4-Nitrophenol	2200	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-10-6-----	4-Nitroaniline	2200	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	2200	U
85-01-8-----	Phenanthrene	450	U
120-12-7-----	Anthracene	450	U
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	450	U
129-00-0-----	Pyrene	450	U
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	890	U
56-55-3-----	Benzo(a)Anthracene	450	U
218-01-9-----	Chrysene	450	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	450	U
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b)Fluoranthene	450	U
207-08-9-----	Benzo(k)Fluoranthene	450	U
50-32-8-----	Benzo(a)Pyrene	450	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	450	U
53-70-3-----	Dibenz(a,h)Anthracene	450	U
191-24-2-----	Benzo(g,h,i)Perylene	450	U

(1) - Cannot be separated from Diphenylamine

2000103

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

02SB20BAMSD

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDS No.: PK62

Matrix: (soil/water) SOIL

Lab Sample ID: H245838MSD

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209305

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)Ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-Di-n-Propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)Methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-Methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethyl Phthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	450	U

2000104

SAMPLE NO.

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

02SB20BAMSD

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H245838MSD

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209305

Level: (low/med) LOW

Date Received: 08/05/93

% Moisture: 27 decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	2200	U
100-02-7-----	4-Nitrophenol	2200	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-10-6-----	4-Nitroaniline	2200	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	2200	U
85-01-8-----	Phenanthrene	450	U
120-12-7-----	Anthracene	450	U
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-Butylphthalate	450	U
206-44-0-----	Fluoranthene	450	U
129-00-0-----	Pyrene	450	U
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	900	U
56-55-3-----	Benzo(a)Anthracene	450	U
218-01-9-----	Chrysene	450	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	450	U
117-84-0-----	Di-n-Octyl Phthalate	450	U
205-99-2-----	Benzo(b)Fluoranthene	450	U
207-08-9-----	Benzo(k)Fluoranthene	450	U
50-32-8-----	Benzo(a)Pyrene	450	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	450	U
53-70-3-----	Dibenz(a,h)Anthracene	450	U
191-24-2-----	Benzo(g,h,i)Perylene	450	U

(1) - Cannot be separated from Diphenylamine

2000105

SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246506

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209301

Level: (low/med) LOW

Date Received: 08/09/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl)Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	330	U

2000106

SAMPLE NO.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: PACE INC.

Contract: ELLINGTON

Case No.: ELL1

SDG No.: PKG2

Matrix: (soil/water) SOIL

Lab Sample ID: H246506

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: SBP08209301

Level: (low/med) LOW

Date Received: 08/09/93

% Moisture: decanted: (Y/N) N

Date Extracted: 08/09/93

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 08/20/93

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol_____	1600	U
100-02-7-----	4-Nitrophenol_____	1600	U
132-64-9-----	Dibenzofuran_____	330	U
121-14-2-----	2,4-Dinitrotoluene_____	330	U
84-66-2-----	Diethylphthalate_____	330	U
7005-72-3-----	4-Chlorophenyl-phenylether____	330	U
86-73-7-----	Fluorene_____	330	U
100-10-6-----	4-Nitroaniline_____	1600	U
534-52-1-----	4,6-Dinitro-2-Methylphenol____	1600	U
86-30-6-----	N-Nitrosodiphenylamine (1)____	330	U
101-55-3-----	4-Bromophenyl-phenylether____	330	U
118-74-1-----	Hexachlorobenzene_____	330	U
87-86-5-----	Pentachlorophenol_____	1600	U
85-01-8-----	Phenanthrene_____	330	U
120-12-7-----	Anthracene_____	330	U
86-74-8-----	Carbazole_____	330	U
84-74-2-----	Di-n-Butylphthalate_____	330	U
206-44-0-----	Fluoranthene_____	330	U
129-00-0-----	Pyrene_____	330	U
85-68-7-----	Butylbenzylphthalate_____	330	U
91-94-1-----	3,3'-Dichlorobenzidine_____	660	U
56-55-3-----	Benzo(a)Anthracene_____	330	U
218-01-9-----	Chrysene_____	330	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate____	330	U
117-84-0-----	Di-n-Octyl Phthalate_____	330	U
205-99-2-----	Benzo(b)Fluoranthene_____	330	U
207-08-9-----	Benzo(k)Fluoranthene_____	330	U
50-32-8-----	Benzo(a)Pyrene_____	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	330	U
53-70-3-----	Dibenz(a,h)Anthracene_____	330	U
191-24-2-----	Benzo(g,h,i)Perylene_____	330	U

(1) - Cannot be separated from Diphenylamine